

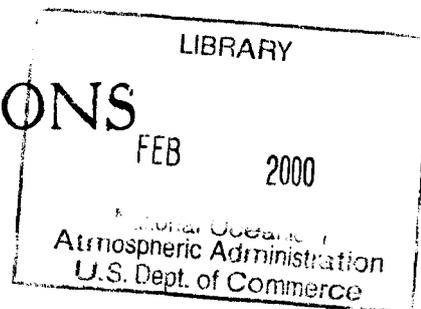
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METEOROLOGICAL DEPARTMENT

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INDIA WEATHER REVIEW

ANNUAL SUMMARY FOR 1931

PART C
STORMS AND DEPRESSIONS



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Director General of Observatories

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ANNUAL SUMMARY, 1931.

PART C.

STORMS AND DEPRESSIONS.

DEPRESSIONS AND CYCLONIC STORMS.

During the year, 5 storms and 9 depressions formed in the Bay of Bengal, 1 depression in the Arabian Sea and 1 depression over the north Deccan. The dates on which the storms occurred and the greatest barometric depths observed are summarised in the table below. The detailed descriptions of these storms and depressions are, as usual, followed by a list of western disturbances of the year, of the more important local storms and of the localities in which winds of force 9 or more were experienced by ships in the Indian Seas.

TABLE.

Serial No.	Locality.	Month.	Date.	Greatest observed barometric depths.
5	Ditto	August	19-21	0.40"
12	Ditto	October	7-14	0.40"
14	Ditto	October	29-1st Nov.	..
17	Ditto	December	22-24	0.34"

1. *Storm of May 14th to 16th, 1931.*—The first signs of a temporary advance of the monsoon in the south of the Bay became apparent on the afternoon of the 10th May when a south westerly wind was established over Port Blair up to a height of about 3 Km. The strength of the southwesterly current was as much as 33 mi/hr. at 1.5 Km. level. During the next two days the advance of the monsoon was maintained. The following ships' observations show that the first signs of unsettled conditions in the central Bay appeared on the morning of the 13th.

Date.	Steamer.	Hour.	POSITION.		WIND.		REMARKS.
			Lat. N.	Long. E.	Dir.	Force.	
13th May.	"City of Shanghai."	8	17° 09'	86° 14'	NE	4	Sea moderate.
	"Subadar"	7	14° 30'	84° 30'	NNE	2	Sea slight; slight swell from NE.
	"Antres"	11½	11°	84°	NW	7	Heavy rain.

Date.	Steamer.	Hour.	POSITION.		WIND.		REMARKS.
			Lat. N.	Long. E.	Dir.	Force.	
13th May.	"Begum"	8	9° 14'	86° 04'	NW	4	Confused sea and swell; overcast with Cu and CuNI; rain; 10 a.m. wind backed to WSW; weather cleared.
	"Jalavijaya"	8	13° 31'	91° 22'	ESE	4	Moderate wind and sea.
	"Kohinoor"	8	17° 26'	92° 10'	SE	3	Sea slight with moderate swell.

A noteworthy feature on the morning of the 14th May was the large pressure rise in the southwest of the Bay over the region extending from Ceylon to the Coromandel coast. The following ships' observations shew that a depression was forming with the central region in the neighbourhood of Lat. 15°N, Long. 88°E.

Date.	Steamer.	Hour.	POSITION.		WIND.		REMARKS.
			Lat. N.	Long. E.	Dir.	Force.	
14th May.	"Subadar"	7	17° 30'	86° 30'	N	2	Sea slight with moderate easterly swell.
	"Masimpur"	7	14° 30'	88° 30'	S	5	00-00 to 09-00 continuous heavy rain; 10-30 wind NE, 2; 13-30 wind NW, 7; Rain squalls, 1,000 to 2,200 continuous heavy rain, squally, 22-00 wind dropped. Sky clearing to NW.
		8	14° 38'	88° 40'	SE	3	
		19	14° 30'	86° 30'	WNW	7	
	"Ekma"	20	14° 06'	86° 12'	NW	7	
		7	14° 30'	88° 30'	E	5	Sea moderate with moderate swell from SE; squally.
14		14° 30'	89° 30'	SSE	5	Sea moderate with heavy swell from south.	

Date.	Steamer.	Hour.	POSITION.		WIND.		REMARKS.
			Lat. N'	Long. E.	Dir.	Force.	
14th May.	"Ekma"	18	14° 30'	90° 30'	SSE	7	Sea rough with moderate swell from south.
	"Havildar"	19	18° 30'	86° 30'	NE	2	Sea slight with moderate swell from SE.
		20	18° 23'	86° 36'	NE	2	Overcast.
	"Aungban"	18	18° 30'	91° 30'	SE	3	Sea moderate with heavy southerly swell.

It is interesting to note that the directions of swells reported by *S. S. 'Subadar'* and *S. S. 'Havildar'* are in opposition to the wind directions reported by these ships.

A well-marked negative pressure departure was noticeable in the sea area for the first time on the morning of the 15th and a diffused low pressure area appeared in the north Bay. The following ships' observations show that the central region of this low pressure area was possibly in the neighbourhood of Lat. 16°N, Long. 88°E.

Date.	Steamer.	Hour.	POSITION.		WIND.		REMARKS.
			Lat. N.	Long. E.	Dir.	Force.	
15th May.	"Masimpur"	8	13° 41'	83° 40'	SW	5	Sea rough with heavy confused swell.
	"Hatkhola"	8	14° 04'	92° 44'	S	5	Sea rough with heavy swell from south; frequent squalls.
	"Warora"	8	12° 13'	90° 13'	SW	6	Sea rough with heavy swell.
	"Ekma"	7	15° 30'	93° 30'	S	5	Sea moderate with heavy SW swell.
	"Aungban"	8	19° 47'	89° 18'	SE	2	Sea slight with moderate swell from SE.
	"Havildar"	8	20° 13'	87° 38'	ESE	2-3	Overcast with very ugly sky to SSE.
	"Warora"	15	11° 30'	89° 30'	SW	7	Sea rough with swell from SW; squally.
	"Yorkshire"	15½	13°	92°	WSW	6	Squally.
	"Hatkhola"	19	12° 30'	91° 30'	W	7	Sea very rough.

By the evening of the 15th pressure fell rapidly in the north Bay and by the morning of the 16th a storm formed with centre at 8 hrs. near Lat. 18°N, Long. 92°E. The storm moved in a northeasterly direction and by the evening of the 16th it crossed the Arakan coast about 60 miles south of Kyaukpyu. Thereafter it rapidly weakened and became unimportant.

The storm caused moderate to heavy rainfall in the neighbourhood of Kyaukpyu and Akyab. The records of provincial rain-gauges in Burma shew that locally heavy rainfall first occurred in the Arakan, Pegu and Irrawady divisions on the

14th, 15th and 16th. On the 17th the heavy rainfall band shifted to the Meiktila and Sagaing divisions. The individual falls in 24 hours however did not exceed 5 inches.

2. *Depression of June 30th to July 2nd, 1931.*—On the morning of the 26th June an appreciable fall of pressure was noticed on the east coast of the Peninsula and an area of small negative pressure departure appeared over the southwest Bay. The most characteristic change in the upper wind was at Vizagapatam, where from the surface up to a height of at least 3 Km. a light to moderate northeasterly wind prevailed and strengthened considerably on the morning of the 27th. On this day the northeasterly surface winds at Cuttack, Gopalpur, Calingapatam and Vizagapatam suggested the establishment of a northeasterly current over the whole of the Orissa-Ganjam coast. During the next 24 hours the surface observations did not indicate any further development of the weather situation. Pressure had fallen slightly over a wide region, apparently over the greater part of the Bay, and on the morning of the 28th the area of negative pressure departure moved over to the Coromandel coast. On that morning there existed a shallow 'low' off the Orissa-Ganjam coast with strong monsoon to the south and southeast of it. The following extracts from ships' logs showed the existence of a feeble cyclonic circulation off that coast:—

Date.	Steamer.	Hour.	POSITION.		WIND.		REMARKS.
			Lat. N.	Long. E.	Dir.	Force.	
June 28th	"Mulhera"	8	15° 46'	82° 57'	WNW	4	Moderate sea with moderate swell; sky partly cloudy.
	"Recorder"	8	17° 02'	86° 30'	SSW	5	Sea rough; cloudy, passing showers.
	"Blinfield"	8	18° 25'	87° 17'	S	4	Sea slight with moderate swell; sky partly cloudy.
	"Coconada"	8	18° 51'	84° 40'	NE	3	Sea slight; sky partly clouded; lightning.

On this date also the northeasterly current over the Orissa-Ganjam coast persisted, as is indicated by the northeasterly surface winds at Chandbali, Cuttack, Gopalpur, Calingapatam and Vizagapatam. The upper winds at Vizagapatam maintained their northeasterly direction up to a height of at least 1 Km. (the level up to which observations were available), where the force of the wind was as much as 40 miles per hour. On the morning of the 29th there was a rise of pressure over the Bay south of Lat. 16°N and a fall of pressure to the north of it; the net result of this being that the area of negative pressure departure shifted to the central and north Bay. This view is also supported by the fact that the surface winds at Vizagapatam and Calingapatam became light south-westerly and the upper wind at Vizagapatam for the first time turned also to south-west and was of force 6 to 7 up to a height of 1.5 Km. up to which observations were available. That the weather was unsettled in the north Bay became apparent from the following ships' observations and the observations at the Sandheads.

Date.	Steamer.	Hour.	POSITION.		WIND.		REMARKS.
			Lat. N.	Long. E.	Dir.	Force.	
June 29th	" Ekma "	18	17½°	87½°	W	7	Sea rough, conspicuous SW swell; squally weather.
	" Tairea "	17	19½°	89½°	SW	7	Sea rough with conspicuous SW swell; squally.
	" Nowshera "	18	20½°	88½°	SSW	5	Moderate sea with moderate southerly swell.
	Sandheads (coast station).	17	21°	88°	E	1	Sea calm.

The upper winds on the afternoon of this day showed a well-marked 'low' extending from the head of the Bay to Bihar.

On the morning of the 30th there was a further marked fall of pressure over the region extending from Surma valley to the northwest angle of the Bay and the area of concentrated pressure departure arranged round the Sandheads. Pressure continued to fall over the head of the Bay, where by the early morning of the 1st July a shallow depression formed with its central region near the Sandheads. The depression did not intensify further and moved in a northerly direction and was over south Bengal by 17 hours of the 1st. By the morning of the 2nd the depression weakened and lay as a trough of low pressure extending from the Sandheads to Hazaribagh. Thereafter it moved away northwestwards through Chota Nagpur.

The depression caused widespread and heavy rain near its track. Some of the notable falls recorded are given below :—

On the 1st July, Taldangra recorded 8" of rain, Barjora 4", Chatna 4", Ramnagar 3" and Palandu 3"; on the 2nd, Saugor Island 6", Alipore 3", Asansol 7", Mankar 5", Bankura 6", Maliara 9", Mejia 5", Palasdanga 5", Manatu 4" and Chandwa 4"; and on the 3rd, Chainpur 4", Mahuadanr 4" and Bhaunathpur 5".

3. *Depression, 6th and 7th August 1931.*—On the evening of the 4th August a fairly steep pressure-gradient over the whole of the Bay of Bengal, together with a moderate fall of pressure in the North and Central Bay, was noticed for the first time. Next morning the pressure further decreased in the North and Central Bay and a concentrated area of negative pressure departure appeared with its centre about Lat. 18°N, Long. 90°E.

The monsoon trough of low pressure extended well into the Bay as far east as longitude 92°E on the morning of the 5th. The observations of upper winds at Calcutta, Patna, Allahabad and Sambalpur on that evening indicated that at least up to 1 Km. height a cyclonic circulation existed from the head of the Bay to the United Provinces. By the morning of the 6th, a depression formed in the northwest angle of the Bay with centre near Lat. 19½°N, Long. 88½°E. Without much further intensification it moved in a northwesterly direction and by the early morning of the 7th it crossed the coast between Balasore and Saugor Island. Thereafter it

moved in a northwesterly direction and began to weaken. At 8 hours of that day it lay as a shallow low pressure area over southwest Bengal and adjoining parts of Orissa and Chota Nagpur.

Within the next 24 hours it weakened further and moving northwestwards it finally merged into the seasonal trough of low pressure over the Gangetic plain. It gave fairly widespread light to moderate rainfall to southwest Bengal, Orissa and Chota Nagpur.

The depression strengthened the activity of the southwest monsoon in the Andaman Sea and along the Tennasserim coast.

4. *Deep Depression, 14th to 16th August 1931.*—On the morning of the 12th an extensive fall of pressure was noticed along the Burma coast and over the Bay accompanied with squally weather and rain off the Burma coast. During the next 24 hours, the pressure continued to fall further over Burma and the north and central Bay, and a concentrated negative pressure departure area appeared over the region extending from the North Andaman Sea to the head of the Bay; and a shallow low also extending from the head Bay to Chota Nagpur as indicated in the isobaric chart.

On the 13th evening upper wind observations from Akyab, Chittagong, Dacca, Calcutta and Sambalpur showed the existence of a cyclonic circulation upto 3 Km. height, over the head of the Bay and deltaic Bengal.

There was a further fall of pressure at the head of the Bay, and a depression formed there by the 14th morning with its centre about 70 miles southeast of the Sandheads. During the course of next 24 hours it intensified markedly with very little movement and became a deep depression. On the morning of the 15th it lay centred about 50 miles southeast of the Sandheads. Negative pressure departure of the order of 0.3" was noticed near its centre. The pilot balloon observations on the 15th morning showed a cyclonic circulation at the head of the Bay up to at least 2 Km. height (data higher up were not available). The deep depression then moved slowly in a northwesterly direction without much further intensification and was centred at 17 hours about 100 miles south of Calcutta. It crossed the coast between Saugor Island and Balasore by the midnight of 15th, and then weakened and lay as a shallow 'low' over southwest Bengal on the 16th morning. Thereafter it moved away northwestwards and filled up, but induced another depression over west Central India and East Rajputana on the 17th, which in turn merged into the seasonal 'low' over northwest India on the next day.

It caused widespread and locally heavy rain in Orissa, Chota Nagpur, the Central Provinces and West central India and East Rajputana.

5. *Storm, 19th to 21st August 1931.*—With the passage of a low pressure wave from the east through Burma, conditions became unsettled at the head of the Bay after the 17th and the monsoon began to strengthen below Lat. 20°N. In the course of the next day the unsettled conditions developed into a depression which was centred at 8 hours on the 19th near lat. 21°N and long. 89°E, approximately 80 miles to the southeast of Saugor Island. The upper air observations at Calcutta, Dacca and Chittagong also showed a cyclonic

circulation at the head of the Bay up to about 2 Km. on the 19th morning. The following report from Saugor Island at 13 hours of the 19th was interesting.

"Weather experienced since 7.38 hours I. S. T.:—Barometer suddenly rose..... from observation to 8 hours steady, from 8 to 10 hours falling slowly, present reading corrected 29.936". Thunderstorm at 8 hours, intermittent moderate rain from 11 hours, winds slowly backing from north at 8 hours to present direction westnorthwest force 4, sky more or less thundery."

The depression moved very slowly in a northwesterly direction, and by the early morning of the 20th it had intensified into a storm of small diameter. At 8 hours, it lay with its centre midway between Saugor Island and the Sandheads.

The surface wind directions and forces at the Sandheads on 19th and 20th are given below :—

Day.	Hour.	Dir.	Force.	REMARKS.
	8	WSW	8	Squally; Sea very rough.
	14	W	6	Sea very rough; Rain.
	17	W	6	Sea very rough.
	19	W	6	Ditto.
	23	W	7	Squally, drizzling frequent vigorous squall; sea very rough.
20th	2	WSW	7	Sea very rough; continuous slight rain.
	6	WSW	8	Sea very rough, unusual gustiness; intermittent moderate rain since 3 hours; occasional heavy precipitation and occasional squall.
20th	8	WSW	8	Squally, sea very rough.
	11	WSW	8	Sea very rough.
	14	WSW	8	Sea very high, intermittent slight drizzle.
	17	SW	6	Sea very rough.
	19	SSW	5	Sea rough.
	23	SSW	5	Sea rough, intermittent slight drizzle.

The above observations indicate the conditions near the core of the storm while it passed by the station. It will be seen from the above data as well as from the following ship's observations that the storm had a core of violent winds.

Date.	Hour.	Steamer.	POSITION.		WIND.		REMARKS.
			Lat. N.	Long. E.	Dir.	Force.	
20th	6.30	"City Sydney." of	19-00	87-40	WSW	8	Squally, cont. heavy rain, rough high sea.
	6.30	"City Lyons." of	19-11	90-00	SW/S	..	Squalls, drizzle, confused sea.

Date.	Hour.	Steamer.	POSITION.		WIND.		REMARKS.
			Lat. N.	Long. E.	Dir.	Force.	
20th	7	"Ellenga"	20-30	89-30	SW	9	Squally, sea rough.
	8	"City Sydney." of	19-30	87-35	W	8	Rain, squalls, sea rough swell SW, very heavy.
	15	Do.	20-38	88-00	WSW	7	Sea rough.
	15-30	"City Lyons." of	20-14	89-12	SW	6	Sea rough heavy.

Rain and thundersqualls were reported from most of the coastal stations and ships in the north Bay on the 20th morning and defect of pressure departure near the centre of the storm was of the order of 0.40".

The storm then moved westwards and crossed the Orissa-Ganjam coast near Balasore on the night of the 20th. Thereafter it weakened into a depression which lay over Chota Nagpur on the 21st morning, and caused locally very heavy rainfall in Orissa. It then moved further westwards across the Central Provinces to southeast Rajputana, where it finally merged into the seasonal low over northwest India on the 25th morning. The following table gives the particularly heavy falls of 5" and above, which occurred in Orissa and Chota Nagpur during the passage of this storm.

District.	Stations.	Rainfall, 20th.	Rainfall, 21st.
		"	"
Cuttack	Jagatsingpur	6.30	..
	Cuttack	6.10	..
	Jajpur	7.41	..
	Salepur	7.28	..
	Raj Kanika . . . .	..	5.26
	Barachana	5.15	5.15
Balasore	Akhayapada	6.10	..
	Bhadrakh	5.45	5.26
	Soro	6.05	..
	Eram . . . .	..	5.24
Angul	Angul	6.94	10.13
	Chhendipara	5.30	..
	Purnakot . . . .	..	8.95
	Balanda para . . . .	..	7.54
	Jarpara . . . .	..	5.81
Feudatory States	Bolangir . . . .	..	5.18
	Sonpur . . . .	..	7.32
	Rampur . . . .	..	9.22
	Deogarh . . . .	..	6.45
	Keonjhar . . . .	..	7.10
	Anandapur	5.50	..
	Athmallik . . . .	..	7.17
	Hindol . . . .	..	6.28
	Band . . . .	..	6.75
	Athgarh	5.68	..
	Champua . . . .	..	5.33
	Rairangpur	6.28	..
Puri	Kanas	13.0	..
Sambalpur	Sambalpur . . . .	..	9.60
	Balgarh . . . .	..	7.80
	Padampur . . . .	..	5.55
	Jharsuguda . . . .	..	6.58
	Bijepur . . . .	..	8.90

6. "Shallow Low," 26th and 27th August, 1931.—With the passage of a low pressure wave from the east through Burma into the Bay, an area of shallow negative departure appeared off Arakan coast, and conditions became unsettled in the north and central Bay.

By the evening of the 25th the pressure fell along the Orissa-Ganjam and Bengal coasts, and the area of negative pressure departure slightly moved in a northwesterly direction towards the head of the Bay. A shallow low appeared on the 26th morning extending from the northwest angle Bay to Chota Nagpur.

It gradually moved northwestwards and passed inland on the 27th, giving locally heavy rainfall to Central Provinces as shown in the table below :—

District.	Station.	Rainfall.	
		26th.	27th.
		"	"
Raipur	Raipur	9-33	..
	Baloda Bazar . . . . .	..	6-92
	Gariabund . . . . .	..	5-50
	Arang	7-15	..
	Saraipali	6-15	..
	Mahasamund	5-17	..
	Nawapara	7-12	..
	Kurud	6-90	..
	Kukerdehi . . . . .	..	7-30
	Lakoli	6-40	..
	Kanki . . . . .	..	7-15
	Ganode	7-82	..
	Bilaspur	Barpali	5-15
Sarangarh		5-10	..
Fendatory States	Surguja (Ambikapur)	..	5-67
	Jubbulpore . . . . .	..	5-00
Mandla	Narayanganj . . . . .	..	5-62
Narsingpur	Chhindwara . . . . .	..	5-28
Chanda	Garehironi . . . . .	..	5-04

7. Depression, 30th August to 1st September 1931.—On the morning of the 28th a wave of low pressure was found affecting eastern Burma. The wave gradually extended westwards and on the 29th morning an area of negative pressure departure was seen lying over north and central Bay. On the isobaric chart the monsoon trough of low pressure extended as far over the Bay as Lat. 20°N, Long. 92°E. Pressure fell still further and on the 29th evening the pilot balloon data from coastal stations indicated the existence of a cyclonic circulation over north Bay up to at least 2.5 Km.

By the early morning of 30th, these unsettled conditions intensified into a shallow depression with centre within a degree of Lat. 19°N, Long. 88°E. It gradually intensified

further and remained practically stationary during the next 36 hours. It then began to move in a northwesterly direction and early on the 1st morning it lay centred near Lat. 20°N, Long. 87°E. It crossed the Orissa coast by noon the same day between Puri and Chandbali and began to weaken. On the 2nd morning it lay as a shallow low extending from the northwest angle of the Bay to Chota Nagpur. It persisted as a low pressure area till the 4th morning and became unimportant thereafter. It caused a strengthening of the monsoon from Upper Burma to the United Provinces.

Some of the notable falls of 5" and above caused by the depression are given in the following table :—

District.	Station.	AMOUNT OF RAINFALL.	
		30th.	31st.
		"	"
Mandla	Mandla	5-19	..
Chanda	Armori	6-10	..
	Garehironi	5-86	..
Bhandara	Gondia	8-25	..
	Khyrbund . . . . .	..	14-15
	Pangree . . . . .	..	7-50
	Gomdho . . . . .	..	8-00
Balaghat	Balaghat . . . . .	..	7-81
	Waraseoni . . . . .	..	9-86
	Dongarbori . . . . .	..	5-56
	Kamptee . . . . .	..	5-07
	Katangjhiri . . . . .	..	5-30
	Pathri . . . . .	..	7-50
	Dongargaon . . . . .	..	6-05

8. Shallow depression, 17th to 19th September, 1931.—On the morning of 13th a fall of pressure appeared along and off the Coromandel and Circars coasts and the monsoon was found to be strengthening from Ceylon to Tenasserim. During the course of the next 24 hours, conditions became markedly unsettled in the central Bay, and the upper wind observations showed that a cyclonic circulation was establishing itself off the Circars Coast at least up to 2 Km. height. The following ships' observations on the 14th morning are interesting :—

Date.	Ship.	Hour.	POSITION.		WIND.		REMARKS.
			Lat. N.	Long. E.	Dir.	Force.	
14th Sept.	"Cape"	7	12° 00'	84° 10'	WNW	7	Strong WNW squalls heavy rain, sea moderate, past weather overcast with barometer falling slowly.
	"Shahjehan"	7	11° 30'	84° 30'	SW	5	Sea moderate, moderate swell from SW.
	"Erinpura"	8	13° 00'	81° 05'	W	3	Overcast, squally rain, sea smooth, slight swell from SW.

The unsettled conditions persisted in the central Bay for the next two days without any further intensification. By the evening of the 16th, however, pressure fell markedly over the Bay south of Lat. 16°; the cyclonic circulation in the upper air became well-marked up to 3 Km.

By the 17th morning, the unsettled conditions concentrated into a shallow depression with central regions about Lat. 15°N, Long. 88°E. Without further movement or intensification it persisted off the Circars Coast for the next 24 hours and then passed inland on the 19th as a wave of low pressure across the north Madras coast. It reached the Central Provinces by the 22nd, and thereafter became unimportant.

As a result of this depression the monsoon revived in the central parts of the country and was strong in the Peninsula and central India between the 16th and 22nd.

9. *Depression, 22nd to 26th September, 1931.*—Signs of a strengthening of the monsoon in the Bay south of Lat. 16°N were noticeable on the 21st morning and due to a fall in pressure in the central Bay there lay a well marked trough of low pressure extending from the Coromandel Circars coast to Tenasserim on that morning. Upper winds at Port Blair and at coastal pilot balloon stations also indicated that a cyclonic circulation was becoming established over the central Bay at least up to 2 Km.

By the 22nd morning a shallow depression had formed with central region within a degree of Lat. 18°N, Long. 88°E. But for some minor oscillations of the central region and slight intensification the depression remained practically stationary for the next 36 hours. Thereafter it began to move westwards and on the 24th morning lay off the Orissa-Ganjam coast within a degree of Lat. 18°N and Long. 86°E. The shallow low moved further westwards and lay with centre about 100 miles to the east of Vizagapatam on the 25th morning. After crossing the coast in the course of that day the depression moved northwestwards and lay over the southeast central Provinces on the next morning. Moving further in a northwesterly direction, it persisted over the west Central Provinces till the 28th and then filled up. This depression was responsible for the maintenance of a strong monsoon in Hyderabad and the central parts of the country from the 23rd to 27th, for a strengthening of the monsoon in southwest Bengal, Orissa and Chota Nagpur on the 24th, 25th and 26th and for its revival in the United Provinces and in and near the Punjab hills between the 23rd and 28th.

10. *Shallow land depression, 30th September to 14th October.*—The monsoon was strong in the south Bay during the second fortnight in September. Conditions became unsettled in the Bay off the Circars coast on the 29th; the unsettled conditions passed inland and a low pressure area appeared over north Hyderabad on the 30th. It persisted there till the 4th, when it became accentuated into a shallow depression with the passage inland of a low pressure wave in connection with a depression from the Bay. The depression moved very slowly northwestwards and lay over Kathiawar on the 11th morning, widespread and locally very heavy rainfall occurring along and near its track. The progress of the depression was checked because of the monsoon current being diverted eastwards by another depression which had formed in the central Bay by the 11th. The depression under review

persisted over Kathiawar till the 15th and then became unimportant, the rainfall after the 11th being confined only to the Konkan coast and portions of east Gujarat.

11. *Depression of 4th to 5th October, 1931.*—Pressures fell in the north Bay after the 1st and the observations from the Sandheads and the following ships on the 3rd morning indicated that conditions were becoming markedly unsettled in the north Bay of Bengal off Orissa-Ganjam coast.

Date.	Steamer.	Hour.	POSITION.		WIND.		REMARKS.
			Lat. N.	Long. E.	Dir.	Force.	
3rd Oct.	"Arankola"	3	19-30	90-30	SE	2	Rain.
	Do.	7	19-30	89-30	E	2	Do.
	"Takliwa"	7	20-30	90-30	S	2	Do.
	"Tapti"	8	20-06	88-12	NW	2	Over cast Rain.
	"City of York"	8	18-52	86-13	NW	2	Cloudy, Rain.
	Sandheads (coast station).	8	..	..	NE	6	Rain squall.

The upper air observations (from Port Blair, Rangoon, Akyab and Calcutta) on the morning of the 3rd also indicated that a cyclonic circulation was being established over the region extending from the north Andaman Sea to central Bay, up to a height of 2 Km.

Pressure continued to fall over the north and central Bay and along the Orissa-Ganjam and Circars coasts during the next 24 hours, and a more or less diffused depression was formed on the 4th morning with the centre within a degree latitude 18½°N, longitude 88½°E.

The depression remained shallow and while moving in a northwesterly direction towards the Sandheads became small in extent and at 15 hours the same day it lay about 50 miles northwest of the Sandheads. The following observations from Saugor Island indicated a regular veering of wind, as the depression centre approached Balasore.

Date.	Station.	Hour.	WIND.		REMARKS.
			Dir.	Force.	
4th Oct.	Saugor Island.	2	NNE	2	Cont. moderate rain.
		8	NE	6	Squally, drizzling.
		11	ENE	5	Rain, squall.
		15	E	5	Weather aspect very threatening, excessively gloomy, wind freshening up rapidly, squalls increasing in intensity, squally.
		17	ESE	6	Squally, drizzling.
		19	ESE	6	Rain, squally, occasional vigorous, squalls.
		23	SE	3	Rain, squall.

The pressure tube anemometer at Saugor Island showed that the wind attained its highest speed of 43 mi/hour at about 17 hours on the 4th.

The important feature to note in this connection was the existence of a marked negative pressure departure over the north Deccan which presumably was responsible for the main-

tenance of a southerly current over the peninsula as far north as Vizagapatam. It is interesting to note that winds at 0.5 Km. at this station were southerly even on the morning of the 4th.

It crossed the coast between Balasore and Saugor Island early on the 5th morning, and accentuated the low pressure area which lay over north Hyderabad on the 4th into a shallow depression. It caused fairly widespread rain over the north Madras coast and the Central Provinces, and locally heavy rainfall in southwest Bengal, and along the Orissa coast. Some of the notable falls of 5" and above are given in the following table:—

Date	Station	Amount
4th	Ramnagar (Midnapore)	10.68
	Chandbali	5.65
5th	Saugor Island	5.46
	Contai	8.16
	Baliapal	5.95

12. *The Storm, 7th to 14th October, 1931.*—Weather was unsettled from the Andaman Sea to the north Bay after the 5th. The upper air chart for the 5th morning showed that there was a marked strengthening of westerly wind at Port Blair at 1 Km. height, (the height up to which observations were available), and on the 11 hours chart of the same day a marked negative pressure departure area was seen to extend from off the north Andaman Sea and Arakan coast to the Coromandel coast. Pressure fell progressively over the region and by the 6th morning the unsettled conditions became more marked over the north Andaman Sea and extended slowly northwestwards.

Without any signs of further intensification the unsettled conditions persisted in the east Central Bay for the next three days, moving slowly in a northwesterly direction. By the morning of the 10th the unsettled conditions became more marked and it was noticed on the isobaric chart that a fairly regular cyclonic circulation was establishing itself over the north and central Bay of Bengal. Pressure continued to fall, and the unsettled conditions eventually concentrated into a depression by the 11th morning centred within a degree of latitude 17°N, longitude 88°E. The following ships' observations on the same morning are interesting—

Date	Steamer	Hour	POSITION.		WIND.		REMARKS.
			Lat. N.	Long. E.	Dir.	Force.	
Oct. 11th	"Mahanada"	8	17-30	85-41	NNE	5	Overcast, rain, sea rough from north or east.
	"Dara"	8	15-30	85-30	W	7	Squally.
	"Erinpura"	7	14-30	87-30	W	7	Do.
	"Edavana"	7	14-30	90-30	SW	7	Do.
	"Hatarana"	7	18-30	90-30	SE	5	Do.
	"Clan McGillivray"	8	19-19	89-04	ESE	6	Cloudy.

These indicated that a fairly vigorous cyclonic circulation existed over the Bay and the depression was intensifying. The upper air observations showed that the cyclonic circulation over the north and central Bay and extended up to a height of 4 Km.

During the course of the next 24 hours the depression moved in a northwesterly direction, intensifying simultaneously. It lay centred on the 12th morning near latitude 18°N, longitude 87½°E. Rough seas, thundersqualls and rain were reported by most of the ships near about the centre of the deep depression. The following ships' observations are interesting in this connection—

Date	Steamer	Hour	POSITION.		WIND.		REMARKS.
			Lat. N.	Long. E.	Dir.	Force.	
Oct. 11th	"Ekma"	14	18-30	85-30	SE	9	Sea slight, swell heavy from north.
	Do.	18	18-30	86-30	NE	7	Cyclonic weather forming, sea moderate, swell moderate from E.
	Do.	22	18-30	86-30	NE	7	Squally, sea moderate, swell heavy from NE.
Oct. 12th	Do.	2	18-30	87-30	E	5	Weather getting better, sea moderate, swell moderate from E.
	Do.	6	18-30	88-30	SSE	7	Weather getting better, sea moderate, swell moderate confused.
	Do.	10	17-30	88-30	SE	7	Sea moderate, heavy swell from SE.
	Do.	14	17-30	89-30	SSE	7	Squally, sea rough, swell conspicuous confused.
	Do.	18	17-30	90-30	SSE	7	Sea rough, swell conspicuous confused.
	Do.	22	17-30	90-30	SSE	7	Squally, sea moderate, swell heavy from S.
Oct. 13th	Do.	2	16-30	91-30	S	5	Sea moderate, swell heavy from SW.
	Do.	6	16-30	92-30	SSE	5	Sea moderate, swell moderate from SW.
	Do.	10	16-30	93-30	SE	5	Ordinary monsoon weather, sea slight, swell moderate from SW.
Oct. 11th	"Nurmahal"	18	18-30	85-30	NNE	7	Suspicious sea rough swell inconspicuous.
	Do.	22	19-30	85-30	NNE	7	Sea rough swell inconspicuous from N.

Date.	Steamer.	Hour.	POSITION.		WIND.		REMARKS.
			Lat. N.	Long. E.	Dir.	Force.	
Oct. 12th	"Nurmahal"	2	19-30	85-30	NNE	7	Squally, sea rough swell conspicuous from N.
	Do.	7	19-30	86-30	NNE	7	Squally, sea moderate, swell slight.
	Do.	10	19-30	86-30	NNE	7	Squally, sea rough.
	Do.	14	19-30	86-30	ENE	5	Squally, sea moderate, swell moderate from SE.
	Do.	18	20-30	86-30	E	5	Suspicious sea moderate, moderate swell from SE.
	Do.	22	19-30	87-30	ESE	7	Squally, sea moderate, moderate swell from SE.

The depression intensified into a storm, apparently of small extent, by about noon of the 12th and kept on a westnorth-westerly course though moving slowly. On the morning of the 13th it lay off the Orissa coast about 50 miles south of Gopalpur. Pressure departure of the order of 0.40" was reported at Calingapatam on the morning of the 13th.

The following observations from *S. S. Chilka* which roughly followed the track of the storm on the 12th and the 13th and passed very close to the centre of the storm are very interesting—

Date.	Steamer.	Hour.	POSITION.		WIND.		REMARKS.
			Lat. N.	Long. E.	Dir.	Force.	
Oct. 12th	"Chilka"	2	17-30	89-30	SSW	2	Heavy rain, sea slight, swell moderate from SW.
	Do.	6	17-30	88-30	SSE	5	Ordinary monsoon weather sea moderate, swell heavy from S.
	Do.	10	18-20	87-30	ESE	7	Suspicious weather, sea moderate, swell moderate from SE.
	Do.	19	18-30	86-30	ENE	7	Suspicious sea rough swell conspicuous from E.
	Do.	22	18-30	87-30	E	7	Suspicious, sea rough swell conspicuous from E.
Oct. 13th	Do.	7	19-30	84-30	NE	7	Sea rough, swell conspicuous from E.
	Do.	10	18-30	84-30	ESE	7	Heavy rain, sea rough, swell conspicuous fused.
	Do.	18	18-30	84-30	SSW	9	Squally, sea moderate, swell moderate from S.

By the afternoon of the 13th, the storm crossed coast slightly north of Calingapatam, and began to weaken. Moving in a westnorthwesterly direction, it lay as a deep depression on the 14th morning about 60 miles east of Jagdalpur. It then took

up a northwesterly course and eventually broke up in the hills of the United Provinces on the 16th.

It was responsible for strong monsoon from the north Madras coast to the United Provinces between the 14th and the 16th, and for fairly widespread rain in south Bengal, Chota Nagpur and Orissa between the 11th and 14th. Very heavy rain in Vizagapatam caused considerable damage to crops, property, and railway lines and loss of many lives.

Some noteworthy falls of 5" and above are given in the following table—

District.	Station.	13th.	14th.	15th.	16th.
Ganjam (Plains)	Aska	..	6-15	..	..
	Purushottapur	..	7-24	..	..
	Chicacole	..	6-00	..	..
Vizagapatam (Plains)	Parvatipur	..	5-75	..	..
	Palkonda	..	4-99	..	..
	Bolbilla	..	11-12	..	..
	Salur	..	11-50	..	..
	Gajapatinagar	..	20-10	..	..
	Chitrapalle	..	13-94	..	..
	Vizionagram	..	14-10	..	..
	Srimagavarapinkota	..	10-10	..	..
	Cholevaran	..	5-29	..	..
	Konasia	..	7-40	..	..
Vizagapatam (Agency)	Bimlipatam	..	10-24	..	..
	Guden (Talabadi)	..	..	5-84	..
	Guden (Lanasinghi)	5-20	..	..	..
	Rottanghi	..	21-50	..	..
	Koraput	..	7-50	..	..
	Jaypore	..	6-09	5-67	..
	Padwa	..	9-15	..	..
Central Provinces	Murwara (Jubbulpore).	..	..	..	5-68
United Provinces	Man	..	..	7-00	..
	Pachwara	..	..	5-60	..
	Magarwara	..	..	6-50	..
	Mahobu	..	..	..	6-76
	Basauli	..	..	..	5-50

13. Deep Depression, 24th to 27th October, 1931.—On the 19th morning a shallow low extended from the north Andaman Sea to the head of the Bay. During the course of the next 24 hours conditions became markedly unsettled in the north Andaman Sea, as was shown by the observations from the following ships and Diamond Island:—

Date.	Station or Steamer.	Hour.	POSITION.		WIND.		REMARKS.
			Lat. N.	Long. E.	Dir.	Force.	
Oct. 20th	Diamond Island	8	..	..	ENE	7	
	"S. S. Arankola"	7	15-30	95-30	E	7	Squally.
	"S. S. Chilka"	7	15-30	95-30	ESE	5	"
	"S. S. Lyce-moon."	8	14-00	97-23	S	2	
	"S. S. Gazana"	8	12-43	90-50	WSW	1	

Without any signs of intensification the disturbed conditions in the Andaman Sea moved slowly northwestwards across the central Bay for the next 3 days, and then began to concentrate, and eventually developed into a shallow depression by the 24th afternoon with centre near latitude 17°N , longitude 85°E . The upper air observations showed the existence of a cyclonic circulation off the Circars coast upto a height of at least 1 Km. The observations from the following ships and Calingapatam on the 24th evening indicated that the depression was probably of small extent.

Date.	Steamer.	Hour.	POSITION.		WIND.		REMARKS.
			Lat. N.	Long. E.	Dir.	Force.	
Oct. 24th	"Hindustan"	19	16-30	85-30	SW	5	Squally, sea moderate.
	"Homefield"	18	16-30	85-30	SSW	5	Getting better.
	"Ozarda"	19	18-30	85-30	E	7	Suspicious.
	"Calingapatam"	17	..	..	NNE	6	Squally, Drizzling.

During the course of the day pressure continued to fall and the area of greatest negative pressure departure which lay off the Orissa coast on the 24th, gradually concentrated and shifted towards the head of the Bay. The observations reported from the pilot balloon stations showed that the cyclonic circulation extended upto a height of at least 2 Km. over the central Bay. The depression began to move in a northeasterly direction, and gradually intensified. On the morning of the 25th, it lay with its centre within degree of latitude 18°N , longitude 87°E . The depression intensified still further and continued along its northeasterly course. On the next morning it was centred at latitude $18\frac{1}{2}^{\circ}\text{N}$, longitude $88\frac{1}{2}^{\circ}\text{E}$. The observations from *S. S. Chilka* on the 26th suggest a further intensification of the depression.

Date.	Steamer.	Hour.	POSITION.		WIND.		REMARKS.
			Lat. N.	Long. E.	Dir.	Force.	
Oct. 26th	"Chilka"	2	17-30	89-30	SSW	5	Sea slight, swell moderate, confused.
	Do.	5	16-30	88-30	SSW	7	Suspicious, sea rough, swell inconspicuous from south.
	Do.	10	18-30	87-30	SSW	7	Squally, sea rough, swell conspicuous from southwest.
	Do.	14	18-30	87-30	NW	9	Squally, sea rough, swell conspicuous from southeast.
	Do.	22	18-30	86-30	NNE	5	Weather getting better, sea moderate, swell moderate from north.

By the evening the depression had moved in a northerly direction and was located near latitude 20°N , longitude

$88\frac{1}{2}^{\circ}\text{E}$. Thereafter it began to weaken. On the 27th morning it lay centred near latitude $20\frac{1}{2}^{\circ}\text{N}$, longitude $88\frac{1}{2}^{\circ}\text{E}$ and by the evening of the same day it filled up, and became unimportant.

It gave fairly widespread rain in the north Madras Coast, Orissa, Bengal and Assam from 24th to 27th, and in Upper Burma from 25th to 27th. It also caused a few heavy falls in east Bengal on the 27th.

14. *Storm, 29th October to 1st November, 1931.*—With the setting in of the northeast monsoon in the Bay, conditions became markedly unsettled over the south Bay on the 29th morning, and the following ships' observations indicated that a cyclonic circulation was setting up over the region between latitudes 8°N and 12°N , longitudes 82°E and 85°E .

Date.	Steamer.	Hour.	POSITION.		WIND.		REMARKS.
			Lat. N.	Long. E.	Dir.	Force.	
Oct. 29th	"Bahadur"	8	11-20	83-35	NE	2	Overcast sky, passing showers, squalls and rain, swells of confused direction. At 8 to 10 A.M., rain squalls with wind force 7 from ENE.
	"City Bagdad."	of 8	10-00	83-40	NNE	2	Overcast sky, generally cloudy and rain.
	"City Batavia."	of 8	8-35	83-05	NW	4	Overcast sky, moderate swell from NW.
	"Jalatarang"	7	9-59	85-51	E/S	3	Generally cloudy, passing showers and overcast sky.
	"Cheshire"	7	10-30	88-30	ESE	5	Squally weather with moderate sea and swell from NE.
	Do.	8	11-00	88-14	ESE	6	Generally cloudy, squally, sea rough.

During the course of the day the conditions intensified, and a depression had formed on the 30th morning with central region within a degree of latitude 10°N , longitude 84°E . The depression began to move slowly in a northwesterly direction. By the evening of the same day it had intensified considerably, and was centred near latitude $12\frac{1}{2}^{\circ}\text{N}$, longitude $82\frac{1}{2}^{\circ}\text{E}$.

Pressure continued to fall along the Coromandel coast and the deep depression moving still in a northwesterly direction, intensified further into a storm which lay on the morning of the 31st about 100 miles south of Masulipatam.

The following extract from the log of *S. S. Erinpura* on her way from Madras to Rangoon is interesting, as the ship passed close to the storm.

Date.	Steamer.	Hour.	POSITION.		WIND.		Weather at the time of observation.	REMARKS.
			Lat. N.	Long. E.	Dir.	Force.		
Oct. 30th	"Erinpura"	8 P.M.	13-27	82-22	SE/S	4	Overcast sky and squalls	Sea rough, moderate swell from SE, wind suddenly hauled to SE at 19-30.
	Ditto	9 P.M.	13-30	82-34	SE/S	6	Ditto ditto	Very rough sea, moderate swell of confused direction, wind and sea increasing.
	Ditto	10 P.M.	13-32	82-48	SE/S	6	Ditto ditto	Very rough sea, moderate swell from SE.
	Ditto	11 P.M.	13-35	83-02	SE/S	6	Generally cloudy (more than $\frac{1}{4}$ covered).	Sea very rough, moderate to heavy swell from SE, sky clearing, swell increasing.
	Ditto	Midnight	13-38	83-13	SE/S	6	Ditto ditto	Sea very rough, heavy swell from SE.
Oct. 31st	Ditto	1 A.M.	13-40	83-26	SE/S	8	Squalls, generally cloudy and rain.	Sea very high and heavy confused swell.
	Ditto	2 A.M.	13-43	83-39	SE/S	8	Squalls and generally cloudy	Sea very high and heavy confused swell.
	Ditto	3 A.M.	13-45	83-51	SE/S	7	Squalls, generally cloudy and rain.	Very rough, very high sea, heavy confused swell and squalls less frequent.
	Ditto	4 A.M.	13-48	84-03	SE/S	7	Ditto ditto	Very rough, very high sea, heavy confused swell, slight improvement in general conditions.
	Ditto	5 A.M.	13-50	84-15	SE/S	7	Generally cloudy and squalls	Sea high and heavy swell from SSE, squalls again frequent.
	Ditto	6 A.M.	13-52	84-17	SSE	6	Ditto ditto	Sea very rough and moderate swell from SSE.
	Ditto	7 A.M.	13-54	84-40	SE/S	6	Ditto ditto	Very rough sea and moderate swell from SSE.
	Ditto	8 A.M.	13-57	84-54	SE/S	7	Ditto ditto	High sea and heavy swell from SE, occasional squalls.

The storm crossed the Coromandel coast on the afternoon of the 31st between Nellore and Masulipatam. After crossing coast, the storm lay as a shallow depression over south Hyderabad on the 1st morning. It weakened while moving northwestwards, and during the night a wave of low pressure passed out into the Arabian Sea causing squally weather with rain along the Bombay coast on the 2nd morning. Rainy weather extended into Kathiawar during the day and slightly unsettled conditions persisted in the northeast Arabian Sea upto the 4th whereafter weather became normal.

In connection with this storm fairly widespread rain fell in the Madras Presidency, with locally very heavy falls along the Coromandel and Circars coasts on the last four days of the month. Rainfall also extended into Hyderabad on the 31st. Some noteworthy falls of 5" and above are given below:—

District.	Station.	OCTOBER.		November 1st.
		30th.	31st.	
East Godavari Plains	Mummidivaram	..	5-00	..
	Rajole	..	5-31	..
	Guden (Talabadu)	..	5-15	..
	Tuni	..	..	6-20
			"	"

District.	Station.	OCTOBER.		November 1st.
		30th.	31st.	
North Arcot	Cheyyar	..	..	5-32
Guntur	Sattenapalle	..	..	5-26
Chingleput	Attipet	7-20	..	6-03
	Poonamallee	5-33	..	5-07
	Ponneri	9-33	..	..
	Saidapet	6-15	..	8-66
	Kattur	8-60	..	..
	Chevur	..	..	5-50
	Sriperumbudur	5-10	..	..
	Madurankatam	5-40	..	7-80
	Cheyur	9-05	..	..
Chittoor	Kalahosti	5-22	..	..

District.	Station.	OCTOBER.		November 1st.
		30th.	31st.	
Nellore	Kavali . . . .	..	5-10	..
	Iskapalle . . . .	..	11-00	..
	Nellore . . . .	..	9-40	..
	Krishnapatam . . . .	..	9-35	..
	Sulurpet	12-10	..	..
South Arcot	Tada	6-31	..	..
	Merkanam	5-62	..	..
	Kurunjipadi	7-85	..	..
	Manambadi (Porto Novo). . . .	6-48	..	..
Travancore State	Pauruli	7-45	..	..
	Karunagapalli . . . .	..	..	5-55
Vizagapatam Plains	Chedavaram . . . .	..	..	6-05
	Waltair . . . .	..	..	7-44
	Balacheruvu . . . .	..	..	6-80
	Anakapalli . . . .	..	..	8-20
	Yellamenchali . . . .	..	..	8-20
Vizagapatam Agency	Polavaram . . . .	..	..	9-35
	Guden (Talabadu) . . . .	..	..	7-39

During the passage of the low pressure area in its final stage, fairly widespread rain often associated with thunderstorm occurred over the region from Central India to the north Konkan on the 2nd, 3rd and 4th.

15. *Unsettled conditions between the 5th and 7th November and 7th and 14th November, 1931.*—With the incursion of southeasterly to southerly winds in the south Bay, conditions became unsettled in the southwest Bay of Bengal to the northeast of Ceylon on the 3rd. The unsettled conditions slowly moved westwards and a wave of low pressure passed across south Madras into the southeast Arabian Sea by the 5th. The unsettled conditions continued to move westwards and were located in the neighbourhood of latitude 11°N, longitude 66°E on the 7th morning, becoming unimportant thereafter. Fairly widespread and locally very heavy rain occurred in the Madras Presidency between the 3rd and 7th, rainfall also occasionally extending into Mysore and the neighbouring regions.

The persistence of southerly to southwesterly winds in the southeast Arabian Sea after the 7th again gave rise to unsettled weather there, the region of disturbance being located about 75 miles to the northwest of Aminidevi on the 8th. The unsettled conditions persisted there and signs of a cyclonic circulation being set up were noticeable on the 9th. After the 10th the unsettled conditions began moving slowly northwestwards and could be located in the neighbourhood

of latitude 16°N, longitude 64°E on the 14th. The disturbance did not, however, develop as the supply of southerly winds in the southeast Arabian Sea was diverted eastwards to the Bay by the 12th, the region of disturbed weather being surrounded by land air which had travelled over the sea and curved round. After the 14th, weather became normal in the Arabian Sea. In connection with this unsettled weather, scattered falls of rain occurred in the Deccan and the Konkan between the 9th and 13th.

16. *Depression, 9th to 14th December, 1931.*—On the 5th morning, pressure was seen falling over Ceylon and the Coromandel coast, while it was rising elsewhere. This suggested that conditions were becoming unsettled in the south Bay between Ceylon and the Andamans. The southeast winds and rain reported by *S. S. Chantilly* latitude 9½°N, longitude 87½°E on the 5th morning confirmed the view.

These unsettled conditions persisted in the south Bay for the next two days, and became more marked on the 8th morning, when a concentrated area of negative pressure departure was seen lying over south Bay between longitudes 81°E and 88°E.

Within the course of the next 24 hours a depression formed as was evident from the observations of the following ships and the Ceylon stations on the 9th morning, the centre of the depression being about 50 miles to the southwest of Hambantota.

Date.	Station of Steamer.	Hour.	POSITION.		WIND.		REMARKS.
			Lat. N.	Long. E.	Dir.	Force.	
9th Dec. 1931.	Hambantota	8	..	..	SE	2	Sea slight.
	Trincomalee	8	..	..	E	5	Sea very rough, rain, squall.
	Colombo	8	..	..	NNE	2	Sea moderate shower.
	Barala	7	6-30	82-30	SE	5	Sea moderate, swell moderate, weather getting better.
	Do. . . .	8	6-20	81-59	SE	4	Sky partially cloudy, sea moderate.
	Goleonda	7	7-30	82-30	ESE	2	Rain, sea smooth, swell moderate.
	Do	8	6-27	81-49	SE	2	Generally cloudy, sea slight.
	Trent Bank	8	8-37	84-24	E	6	Overcast, rain, squalls, sea rough.
	Hatkhola	8	8-00	82-43	E	5	Generally cloudy and rain, sea moderate.

With the northwestward movement of the depression during that day, winds considerably strengthened in the Gulf of Manar whence some steamers reported winds up to gale force with heavy rain squalls in the evening; the squalls experienced by *S. S. Waroonga* at 21 hours sometimes reached force 11. On the 10th morning, the depression was centred about 75 miles to the westnorthwest of Colombo, and during the next twelve hours only moved slowly somewhat

weakening at the same time. Thereafter it moved westwards rather rapidly and its centre lay about 50 miles to the south of Minicoy on the 11th morning. By this time a change had taken place in the upper winds over Trivandrum, namely, the northwesterly to westerly winds observed up to 2 Km. at 17 hours on the 10th changed to light southeasterly to southwesterly on the 11th morning, the winds above 2 Km. at this time being strong southwesterly (force 6).

The depression then began moving northwards and its central region was in the neighbourhood of Aminidevi on the 12th morning. The upper winds over Mangalore which had been northeasterly to easterly distinctly veered since the previous day and strong southeasterly winds were blowing up to 1 Km., the limit of observation, on the 12th. The northward movement of the depression continued during the next 48 hours, and on the 13th the centre was located at about 100 miles to the north of Aminidevi. The upper winds over Mangalore had veered further to south and were blowing a gale (force 8) up to 1 Km., while the winds over Poona were southeasterly of moderate force at 1 Km. and of force storm 10 at 2 Km. the limit of the flight. On the 14th morning, the depression became elongated its centre lying at that time about 100 miles to the west of Karwar, squally weather (winds of force 5 to 8 during squalls) being experienced along and off the Konkan coast on that day. While the depression moved further northwards, the southerly upper winds over Mangalore and the southeasterly winds over Poona weakened considerably and by the evening of the 14th the depression got occluded and subsequently the weather became normal.

During the period from the 8th to 11th, the depression caused fairly widespread and locally heavy rain in southeast Madras, the rainfall also extending into Malabar, Mysore, the west Deccan and the Konkan with the northward movement of the disturbance. Heavy rain in southeast Madras was responsible for damage to crops and railway and telegraph lines there.

Some of the very heavy falls of 5" and above in southeast Madras are given in the following table :—

District.	Station.	9th.	10th.	11th.
		"	"	"
Ramnad	Sivaganga . . . .	..	..	5-23
	Pamban	5-59	7-51	..
	Tiruppattur . . . .	..	..	9-99
	Morikulam	6-07	4-97	..
The Nilgiris	Kaity . . . .	..	..	5-50
	Coonoor . . . .	..	..	6-10
	Kodanad . . . .	..	..	6-00
Tinnevelly	Kadayanallur . . . .	..	..	7-20
	Tenkasi . . . .	..	..	7-86
	Kadayam . . . .	..	..	5-90
	Ambasamudram . . . .	..	9-77	6-54

District.	Station.	9th.	10th.	11th.
		"	"	"
Tinnevelly— <i>contd.</i>	Palamcottah . . . .	..	7-90	7-20
	Nanguneri . . . .	..	6-50	..
	Kulasekarapatnam . . . .	..	7-25	..
	Kiranur . . . .	..	8-45	..
	Srivaikuntan . . . .	..	8-56	..
	Tinnevelly . . . .	..	7-87	5-32
	Tiruchendur . . . .	..	9-08	..
South Arcot	Chidambaram . . . .	..	..	6-85
	Mannargudi . . . .	..	..	5-32
	Srimushnam . . . .	..	..	7-48
	Tittagudi . . . .	..	..	6-00
	Vriddhachalam . . . .	..	..	6-19
Tanjore	Kumbakonam . . . .	..	..	6-47
	Papanasam . . . .	..	..	7-11
	Tirukkatpalli . . . .	..	..	4-77
	Tanjore . . . .	..	..	6-05
	Pattukkottai . . . .	..	..	6-54
Trichinopoly	Ariyalur . . . .	..	..	9-44
	Jayankondam . . . .	..	..	7-93
	Lalgudi . . . .	..	..	4-76
	Trichinopoly . . . .	..	..	5-34
	Manapparai . . . .	..	..	7-28
	Iluppur . . . .	..	..	5-34
	Marungapuri . . . .	..	..	5-54
Travancore (Devikulam Division).	Kumizhi . . . .	..	5-35	..
(Quilon Division)	Ayakkudi . . . .	..	..	6-00
	Shenkotta (P. W. D. Office).	..	6-00	5-42
	Shenkotta (Taluk Cutchery).	..	4-73	5-98
(Trivandrum Division.)	Kolachal (Police station).	..	6-32	..
	Nagercoil . . . .	..	5-20	..
	Sentapuram . . . .	..	4-90	..
	Rajakkamangalam . . . .	..	6-52	..
	Tamarakulam (New salt factory).	..	5-15	..
Salem	Thammampatti . . . .	..	..	5-73

17. Storm, 22nd to 24th December, 1931.—With a strengthening of the northeast monsoon over the south Bay on the 21st morning, conditions became markedly unsettled in south-

west Bay, particularly off the east coast of Ceylon. The following ships' observations indicated that conditions were becoming favourable for the formation of a depression to the east of Ceylon.

Date.	Steamer.	Hour.	POSITION.		WIND.		REMARKS.
			Lat. N.	Long. E.	Dir.	Force.	
21st Dec. 1931.	"Gurna"	10	9-30	88-30	SE	5	Squally, sea rough.
	"Warialda"	10	10-30	86-30	ESE	5	Squally, sea rough.
	Do.	18	12-30	87-30	NE	12	Squally, sea rough.
	"Warina"	8	8-43	85-05	NE/E	5	Overcast, rain, squall.
	"Garada"	10	7-30	83-30	NNE	5	Rain, slight, sea.
	Do.	18	7-30	85-30	SW	5	Sea moderate, weather getting better.
				(3 hrs. previous)	NW	2	
	"Barmaria"	8	9-00	83-00	NE	5	Cloudy.
	"Wishart"	5/30	6-00	86-54	SSE	5	Rain, moderate sea.
"Felix Rousel"	7	5-30	84-30	NNW	2	Squally, sea moderate.	
			(3 hrs. previous)	NW	2		

Rough seas, squally weather and rain were reported from most of the ships off the east coast of Ceylon.

Pressure fell progressively over Ceylon and along the south Madras coast. These unsettled conditions intensified in the course of the day, and by the 22nd morning developed into a deep depression off the east coast of Ceylon with its centre within half a degree of latitude $7\frac{1}{2}^{\circ}$ N, longitude $82\frac{1}{2}^{\circ}$ E. The upper winds at Madras up to 2 Km. height were from a northeasterly direction, their force being 7 or 8. The deep depression intensified rapidly into a storm by noon of the same day.

Pressure continued to fall and the storm intensified further into a severe one during the course of the next 24 hours, moving in a northwesterly direction. *S. S. Surada* on her way from Colombo to Madras was caught in this storm, and the following extract from her logs gives an idea of the rough weather and violent winds experienced.

Date.	Steamer.	Hour.	POSITION.		WIND.		REMARKS.
			Lat. N.	Long. E.	Dir.	Force.	
21st Dec. 1931.	"Surada"	8 P.M.	..	..	NNE	6	Sea rough, heavy swell from SW, overcast, rain.
22nd Dec. 1931.	Do.	4 A.M.	..	..	E	8	Sea rough, heavy swell.
	Do.	7 A.M.	..	..	E	9	Squall.
	Do.	8 A.M.	9-31	81-47	E	7	Sea rough, swell heavy confused overcast, rain, squall.
	Do.	10 A.M.	..	..	ENE	10	..
	Do.	Noon	9-48	81-40	E/N	10	..

Date.	Steamer.	Hour.	POSITION.		WIND.		REMARKS.
			Lat. N.	Long. E.	Dir.	Force.	
22nd Dec. 1931— contd.	"Surada"	7 P.M.	10-30	85-30	E	7	Sea rough, squally.
	Do.	8 P.M.	..	..	E	6	Sea rough, swell heavy confused, overcast, rain, squall, gloomy.
	Do.	10 P.M.	..	..	ENE	8	Heavy rain.
23rd Dec. 1931.	Do.	Mid-night.	..	..	NE/E	10	Sea rough, swell heavy.
	Do.	4 A.M.	..	..	NE	8	Sea rough, swell heavy.
	Do.	12 A.M.	11-36	80-56	ENE	9	Sea rough, swell heavy, heavy rain.
	Do.	8 A.M.	11-18	81-13	ENE	8	Sea rough, swell heavy from NE, overcast.
	Do.	4 P.M.	..	..	NE	8	Sea rough, swell heavy.
	Do.	7 P.M.	11-30	80-30	NE	8	Sea rough, squally.
	Do.	8 P.M.	..	..	NE	8	Sea rough, swell heavy from NE, overcast, squally, rain.
Do.	12 P.M.	..	..	NE	8	Sea rough, swell heavy, violent rain squall.	

It will be noticed from above that the storm probably became severe by about the noon of 22nd when winds of force 10 were reported. The rapid intensification was responsible for very rough weather which was experienced at Madras at the time about 400 miles away from the centre of the storm. The following are the remarks from the Port Officer, Madras:—

"Velocity of wind 41 miles at 3-5 A.M., direction NNE. Rain and drizzle at intervals between 8-29 A.M. and 11-29 P.M. Squalls at intervals from NNE whole day. Sea very rough inside and tremendous outside harbour. Weather cloudy, misty, squally and rainy with a fall of 0.11" in the barometer between 8 A.M. on 21st December 1931 and 12 midnight on 22nd December 1931."

S. S. Ethiopia arrived at Madras on the 21st, and could not leave for Rangoon till 25th, on account of frequent heavy rain squalls.

On the afternoon of the 22nd the storm lay centred near latitude 9° N, and longitude 81° E, when a pressure departure of 0.34" was reported from Trincomalee. The negative pressure departure was confined to southwest Bay, whereas the pressure was above normal elsewhere and this condition persisted more or less for the next two days.

As a storm of small extent, it continued to move in a northwesterly direction, and on the 23rd morning it was apparently passing into Palk Strait the negative pressure departure near the centre being of the order of 0.25". Thereafter it began to move very slowly and on the same afternoon it was located about 50 miles southeast of Negapatam.

The following table prepared from the report of Port Officer, Negapatam, is interesting :—

Date.	Hour.	WIND.		REMARKS.
		Dir.	Force.	
22nd Dec. 1931.	2	NNE	4	Sea moderate, drizzle and rain (thunderstorm).
	8	ENE	5	Rough sea with heavy swell from NE, the rainfall for the previous 24 hours being 1.03".
	11	NE	4	Sea rough, intermittent moderate rain.
	15	ENE	6	Sea very rough, intermittent moderate rain.
	17	ENE	7	Very rough sea with heavy swell from NE.
	19	ENE	8	Sea very rough with very heavy northeasterly swell.
	23	NE	8	Sea very rough, swell heavy from NE, rain and squall, occasional precipitation, light squall increasing in intensity.
23rd Dec. 1931.	2	NNE	7	Sea very rough with very heavy northeasterly swell, raining continuously.
	8	NNE	6	Sea very rough with very heavy swell, rain during the previous 24 hours—4.91", rain continued very heavily.
	11	NNE	6	Sea very rough, rain with squalls.
	15	NNE	8	Sea high with very heavy swell from NE, rainfall from 8 hours being 10.76".
	17	N	7	
	19	NNW	5	Sea very rough with very heavy swell.
	23	N	7	Sea very rough with very heavy swell.
24th Dec. 1931.	2	NNW	5	Sea very rough, intermittent moderate rain.
	8	ENE	6	Rainfall for the previous 24 hours—14.44".
	11	ENE	6	Rough sea and heavy northeasterly swell.
	15	E	6	Rough sea and heavy swell.
	17	E	5	Mainly overcast.
	19	SSE	4	Moderate sea with moderate swell.

The Port Officer, Pamban, thus described the weather between 21st to 23rd December, 1931 :—

"Severe gale of wind and very rough seas prevailed on the 22nd from 5 P.M. The weather was stormy with drizzling rain, heavy squall and very rough seas on the 23rd from 6 A.M. to 6 P.M. The weather moderated after 6 P.M. on the 23rd."

The storm remained practically stationary southeast of Negapatam till about early morning of 24th and then moving very slowly still in a northwesterly direction it began to weaken. It crossed coast at about 17 hours on the 24th about 20 miles south of Negapatam and then began to weaken rapidly. By next morning it lay as a low pressure area over south Madras, and gradually filled up during the course of the day.

It caused fairly widespread rain with locally very heavy falls in southeast Madras between the 20th and 24th. The following table gives the noteworthy falls of 5" and above on 23rd and 24th December :—

District.	Station.	23rd.	24th.
South Arcot . . .	Markanam . . . . .	..	5.75
	Villupuram . . . . .	..	6.06
	Panruti . . . . .	..	8.25
	Cuddalore . . . . .	..	9.71
	Kurinjipadi . . . . .	..	6.13
	Manambadi (Porto Novo) . . . . .	..	8.12
	Chidambaram	5.13	7.61
	Mannargudi . . . . .	..	7.60
	Vridhachalam . . . . .	..	5.19
	Tanjore	Shiyali . . . . .	..	8.78
Neidavasal . . . . .		..	5.99
Tranquebar . . . . .		..	9.35
Mayavaram . . . . .		..	7.09
Kumbakonam		5.10	5.64
Papanasam . . . . .		..	5.03
Kodavasal . . . . .		..	6.62
Nannilam . . . . .		..	10.32
Tiruvalur . . . . .		..	9.23
Negapatam		4.91	14.44
Tirupundi		5.15	14.62
Vedaranniyam		11.75	13.60
Tirutturaippundi . . . . .		..	7.66
Trichinopoly	Muttepet	5.00	7.10
	Mannargudi	5.15	7.86
	Pattukkottai . . . . .	..	5.24
	Adirampatnam . . . . .	..	5.41
	Jayankondan . . . . .	..	6.19

Heavy rainfall in southeast Madras was responsible for breaches in the railways and telegraph lines there.

WESTERN DISTURBANCES.

The following is a list of the western disturbances which affected the weather in northern India during the year with the dates on which they did so and brief notes on the precipitation that they produced :—

	<i>January.</i>				
1	1—4	Local falls of rain or snow in Kashmir between the 2nd and 4th.	11	12—18	} Fairly widespread rain in north Baluchistan on the 12th and 13th, in the North-West Frontier Province and Kashmir on the latter date, in the United Provinces and northeast India on the 15th and 16th and along and near the western Himalayas on the 17th, with scattered falls in the North-West Frontier Province and Kashmir on the 16th and 18th and in the Central Provinces, Chota Nagpur, Orissa and Bengal from the 17th to 22nd.
2	6—11	Local falls of rain in Baluchistan on the 6th and 7th, fairly widespread rain or snow from northeast Baluchistan to Kashmir between the 8th and 10th and a few falls in the west United Provinces on the 9th and in Assam on the 11th.	12	18—23	
3	14—15	A few light falls of rain or snow in Kashmir on the 14th and 15th.	13	21—27	Widespread precipitation in Baluchistan on the 22nd, along and near the western Himalayas on the 23rd and 24th and in Chota Nagpur on the 24th and local falls of rain from Kashmir to Bihar on the 25th, with a few falls in the Central Provinces and northeast India from the 24th to 26th.
4	17—18	A few light falls of rain or snow in the North-West Frontier Province and Kashmir on the 17th and a few falls in the east Punjab on the 18th.	14	26—28	Nearly general rain in Baluchistan on the 27th and local falls of rain or snow in the North-West Frontier Province and along the western Himalayas on the 27th and 28th.
5	19—20	Local rain in the North-West Frontier Province and Kashmir and a few falls in Baluchistan and the north Punjab on the 19th, and nearly general rain or snow in Kashmir and light local rain in the east and north Punjab with a few falls in the North-West Frontier Province on the 20th.		<i>March.</i>	
6	22—25	Widespread rain along the northwest frontier and in Kashmir and the Punjab between the 22nd and 25th with local falls in the Kumaon Hills on the 23rd and 24th; also a few light showers in lower Sind on the 23rd.	15	1—5	Fairly widespread precipitation in the North-West Frontier Province, the Punjab and Kashmir from the 1st to 3rd, in Baluchistan on the 1st and 2nd and in the west United Provinces on the 2nd and 3rd and local rain in west Rajputana on the 2nd, with a few falls along the western Himalayas on the 4th.
7	25—27	A few light showers in Kashmir and along the northwest frontier between the 25th and 27th and also a few falls in the Punjab Hills on the 25th.	16	5—7	A few falls of rain or snow in Baluchistan on the 5th and along the North-West Frontier Province and in Kashmir on the 6th.
8	29—3rd February	Nearly general rain or snow in Baluchistan on the 30th, 31st and 1st and fairly widespread rain or snow in the North-West Frontier Province and Kashmir and along and near the Punjab-Kumaon Hills on the 31st, 1st and 2nd, with local falls of rain in east Central India, the Central Provinces, the east United Provinces, Bihar and Chota Nagpur on the 2nd and 3rd.	17	13—16	Local rain in Baluchistan on the 13th and a few falls in Sind on the 14th and in Kashmir and along and near the Punjab Hills on the 15th and 16th.
	<i>February.</i>		18	21—30	A few falls of rain or snow in the North-West Frontier Province on the 25th and 26th, local rain in Kashmir on the 26th and 27th and nearly general thunder-showers in Assam, with a few falls in Bengal on the 30th.
9	5—10	Fairly widespread precipitation in Baluchistan on the 6th and from the North-West Frontier Province and Kashmir to Bihar on the 7th and 8th, with scattered falls in Chota Nagpur, Bengal, Assam and Upper Burma between the 8th and 10th.	19	31—2nd April	A few falls of rain in Baluchistan on the 31st and local rain in Baluchistan, with a few falls in the North-West Frontier Province and Kashmir on the 1st and 2nd.
10	8—14	Widespread rain in Baluchistan on the 9th and in northeast India on the 11th, with local rain in the United Provinces and east Central India on the same day; a few falls also occurred in Kashmir and the east and north Punjab on the 10th and 11th and in Bengal, Assam and Upper Burma on the 12th.		<i>April.</i>	
			20	3—4	Local rain in Kashmir and a few falls in the east United Provinces, Chota Nagpur and Assam on the 3rd and a few falls in the North-West Frontier Province and the Simla Hills on the 4th.
			21	5—8	Local rain along the northwest frontier and in the Punjab-Kumaon Hills on the 5th; fairly widespread thundershowers in Assam from the 5th to 8th, in Upper Burma on the 5th and in Bengal on the 7th and 8th and a few falls in Upper Burma on the 4th, 6th and 7th, in Bengal on the 5th and 6th and in Bihar and Orissa from the 6th to 8th.

22	8—14	Nearly general rain in the North-West Frontier Province on the 10th, with local rain in Kashmir on the 11th and 12th, in the east and north Punjab on the 11th and in Assam on the 13th, and a few falls in the North-West Frontier Province, the southwest Punjab and the west United Provinces on the 11th and in the east Central Provinces, Orissa and Bengal on the 13th.	June to September	No well-defined western disturbances.
			October.	
			31	13—14 . . . A few falls in the North-West Frontier Province on the 12th and nearly general rain on the 13th, and local rain in Kashmir and the adjoining parts of the Punjab on the 13th and 14th.
23	13—17	A few falls of rain in the North-West Frontier Province on the 16th and in the north Punjab and Kashmir on the 17th.	32	16—17 . . . Local thundershowers in the North-West Frontier Province on the 16th.
24	18—19	Local rain or snow in Kashmir on the 19th and 20th, with a few falls along the north-west frontier and in the north Punjab Hills on the 19th.	33	27—28 . . . Nearly general rain in the North-West Frontier Province and the southwest Punjab on the 27th and local rain there with a few falls in Kashmir and the Punjab Hills on the 28th.
25	22—25	Local rain or snow in Kashmir with a few falls in the North-West Frontier Province from the 23rd to 27th, a few falls in north Baluchistan on the 25th and in Kashmir on the 28th.		
26	25—28		November.	
			34	9—10 . . . Light rain in Kashmir on the 9th and 10th and in the North-West Frontier Province on the former date.
27	29—2nd May	Local rain or a few falls in Kashmir between the 30th and 2nd with a few falls in the North-West Frontier Province on the 1st.	35	21—22 . . . Local rain or snow in Kashmir on the 21st with a few light showers on the next day.
	May.		36	23—24 . . . A few light falls of rain or snow in the North-West Frontier Province on the 23rd and in Kashmir on the 24th.
28	4—5	A few falls in Kashmir on the 4th and 5th and in the North-West Frontier Province on the latter date.	37	27—30 . . . No precipitation.
29	10—15	Widespread rain along the northwest frontier and in Kashmir on the 11th, along and near the western Himalayas on the 12th and 13th and in the Punjab Hills on the 14th and 15th; local rain in the North-West Frontier Province and Kashmir on the 10th, in Sind on the 11th, in west Rajputana on the 12th, 13th and 14th and in and near the Kumaon Hills on the 12th.		
			December.	
			38	5—10 . . . Local falls of rain or snow in Kashmir on the 5th and 7th, with a few falls in the North-West Frontier Province on the 6th; it induced a secondary depression which caused a few falls of rain in Baluchistan on the 8th and 9th and nearly general rain in the North-West Frontier Province on the latter date, with a few falls on the 10th.
30	17—20	A few falls of rain in the North-West Frontier Province on the 17th and 19th and nearly general rain in Kashmir, with a few falls in and near the Punjab Hills on the latter date.	39	25—26 . . . A few light showers in Kashmir on the 26th.

LOCAL STORMS.

Of the local storms reported in newspapers, the following are noteworthy:—

February 17th.—Six men were killed and thirty seriously injured as a result of a severe hailstorm near the village of Gopalpur in the district of Manbhumi (Chota Nagpur).

Another village named Karakanali was also swept by a storm, one man being killed and several injured.

February 26th.—A short-lived nor'wester passed over Calcutta at about 9 P.M. A number of telephone lines were temporarily put out of order.

March 4th.—Great damage was caused to the standing *rabi* crops by a hailstorm which passed over Motihari (Bihar).

March 5th.—Hail stones of diameter more than an inch fell over the town of Barisal during a thunderstorm that lasted for about half an hour in the noon. The storm was

reported to have caused much damage to buildings and trees.

A severe nor'wester passed over several villages seven miles to the northwest of the town of Noakhali (Bengal). The houses and trees lying in the track of the storm were reported to have been levelled to the ground.

April 6th.—A boat capsized in the river near Pabna (Bengal) during a thunderstorm drowning one man.

April 9th.—A severe thunderstorm accompanied by hail passed over Chittagong in the night causing much damage to electric wires.

May 2nd.—A thunderstorm that swept through Travancore caused three deaths; a girl was killed in a house collapse, a man was struck by lightning and a woman was buried under an uprooted tree.

May 3rd.—A severe thunderstorm passed over Dacca and the adjoining villages in the night, as a result of which several houses were blown away and several trees were uprooted. Power supply was interrupted in many places.

May 7th.—A severe thunderstorm passed over Mysore in the night and the electric supply of the city failed owing to some poles being blown down during the storm.

A thunderstorm passed over Calicut in the night and caused severe havoc. A lighter engaged in landing cement from a steamer sank with 95 barrels alongside the steamer. Many large trees were uprooted.

May 12th.—A severe duststorm followed by rain swept over Amritsar in the night. The electric and telephone wires were broken at many places and the city remained in darkness throughout the night.

May 13th.—A severe storm accompanied by heavy rain passed over Madras in the night. Several large trees and telephone poles were uprooted.

May 14th.—Heavy damage to buildings and other property as a result of a thunderstorm was reported from Jacobabad. Two lives were reported to have been lost by the fall of trees and buildings.

May 14th.—A passenger train running from Lalamusa to Multan was held up owing to a heavy sandstorm blowing for full 13 hours.

May 18th.—A severe storm passed over Chandpur (Bengal) destroying several houses and capsizing a large number of loaded country boats.

May 20th.—A duststorm of unusual severity followed by rain occurred at Jubbulpore in the afternoon causing great havoc. Telephone communication was interrupted and many trees were uprooted.

May 21st.—A fierce, though short-lived, thunderstorm passed over Tanjore in the night. Lightning struck a house killing a woman who was inside.

May 22nd.—Trees were uprooted and telegraph wires damaged during a storm which was followed by heavy rain at Trichinopoly. A huge tree that was uprooted fell on a shed killing two persons and seriously injuring three others.

May 22nd.—A severe storm accompanied by heavy rain swept over Trichur in the night doing considerable damage to property.

May 23rd.—Hailstorms of unusually large size played havoc in several talukas of the Sukkur District (Sind).

May 23rd.—A severe storm swept over Sangli and the neighbouring places uprooting many trees. Much damage was done to the Post Office and Library Buildings.

May 24th.—A storm passed over Tirupur and surrounding villages in the evening causing damage to houses, factories and other buildings.

May 25th.—A severe thunderstorm passed over Adoni (Madras) in the night causing considerable damage. The roofs of a number of houses and factories were blown off.

May 26th.—A severe hailstorm with rain passed over Mussooree in the afternoon.

May 27th.—A severe thunderstorm causing considerable damage passed over Trichur in the night.

May 28th.—A girl and a man were reported to have been killed and extensive damages done to house and property by a storm which blew over Sandwip Island (Bengal). Several fishing boats capsized in the river.

May 29th.—A severe thunderstorm passed over the city of Jubbulpore in the night. The furious wind which blew from the northwest uprooted several trees and carried off the branches of many others.

June 5th.—A severe duststorm at Jhang Maghiana (Multan) uprooted many trees; one of the big trees falling on a man crushed him to death.

June 6th.—A storm of great violence passed over Singu (Burma) in the evening and completely destroyed the steel structure of the new main office of the Burma Oil Company which was in the course of construction. Four workmen were reported to have been killed.

June 10th.—Four persons and about 600 animals were reported to have been killed by a hailstorm which swept over the Singhoro Taluka in Sind.

June 12th.—A severe thunderstorm accompanied by rain blew over Chittagong in the morning causing damage to many houses and trees.

Jhansi experienced a severe duststorm; the roofs of many shops were torn away, trees were uprooted and traffic completely suspended for some time.

August 29th.—A country boat capsized in a squall off the mouth of the Dabhol creek and the crew of six were reported to be missing.

September 1st.—A severe thunderstorm followed by heavy showers damaged the main line electric wires at the Ridge Military Quarters at Jubbulpore.

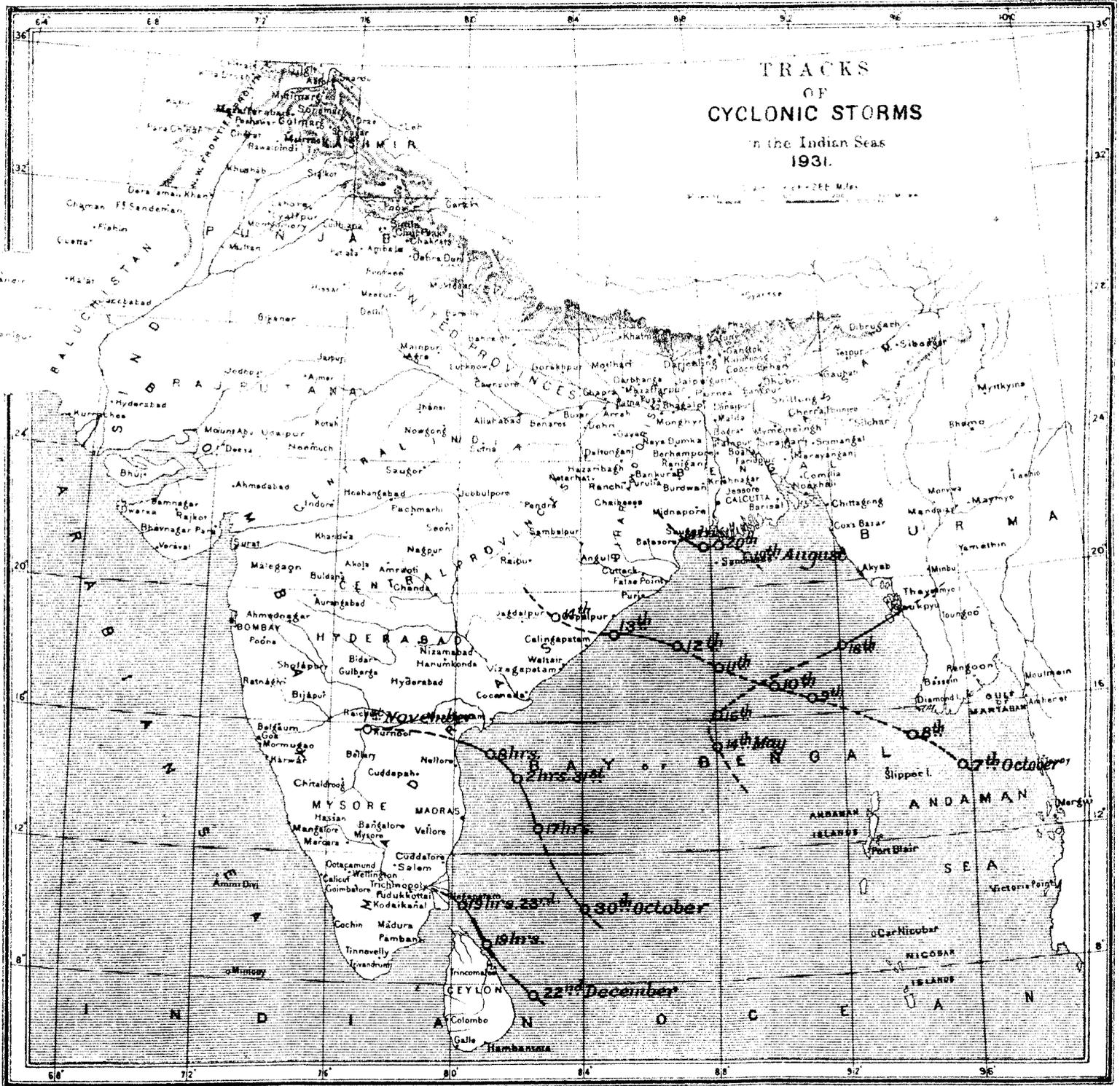
September 23rd.—Two persons were reported to have been killed and four others severely injured as a result of the crashing of a tree, which was struck by lightning during a heavy thunderstorm that passed near Madras.

WINDS OF FORCE NINE OR MORE IN INDIAN SEAS.

Excluding dates of storms and depressions, a description of which has been given above, winds of force nine or more were recorded on ships in the Indian seas during the year 1931 on the following occasions.

Date.	Name of ship.	APPROXIMATE POSITION.	
		Latitude.	Longitude.
		°N	°E
7th June . . .	"Joyhiko Maru" . . .	6	78
Do.	"Frauenfels"	9	68
27th June . . .	"Deebank"	12	55
2nd July	"Gange"	16	61
3rd July	"Geierfels"	14	54

Date.	Name of ship.	APPROXIMATE POSITION.	
		Latitude.	Longitude.
		°N	°E
4th July	"Geierfels"	16	61
5th July	Do.	16	64
10th August . . .	"Ranchi"	16	63
21st to 23rd August.	"Barenfels"	bet. 10 & 12	bet. 61 & 55



GOVERNMENT OF INDIA
METEOROLOGICAL DEPARTMENT

INDIA WEATHER REVIEW

ANNUAL SUMMARY FOR 1931

PART D
ANNUAL TABLES

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UNDER THE DIRECTION OF

C. W. B. NORMAND, M.A., D.Sc.,

Director General of Observatories

CALCUTTA: GOVERNMENT OF INDIA
CENTRAL PUBLICATION BRANCH

1932

**Table D-1.—Abstract of observations taken at 10 hrs. (local time)
and 16 hrs. (local time) or 17 hrs. (I. S. T.)
at 14 stations, in the year 1931.**

MONTHLY AND ANNUAL

Abstract of observations taken at 10 hrs. (local time)

1	2	PRESSURE (REDUCED TO 32° F. AND STANDARD GRAVITY.)					TEMPERATURE OF AIR.								TEMPERATURE WET BULB.		NOCTURNAL RADIATION TEMPERATURE.		
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Station and height of bar cistern above sea level in feet.	MONTH.	Mean 10 hrs.	Mean 17 hrs.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Mean maximum.	Mean minimum.	Highest maximum.	Lowest minimum.	Mean 10 hrs.	Mean 17 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 17 hrs.	Mean.	Depression below mean minimum.	Departure from normal.
Lahore (Punjab) (702).	January . . .	29.356	29.260	.096	29.298	+0.07	70.3	43.0	78	36	57.7	67.8	54.8	+1.8	51.5	56.8	33.3	9.7	-0.1
	February . . .	.827	.242	.085	.276	+0.80	66.4	43.3	74	38	57.2	64.5	53.8	-3.5	50.7	54.0	34.2	9.1	-0.4
	March . . .	.229	.147	.082	.185	+0.63	82.6	52.6	99	43	74.5	80.7	66.9	-2.1	59.3	60.9	43.6	9.0	-0.2
	April . . .	.060	28.962	.098	.007	+0.07	98.6	66.8	109	58	90.3	96.2	82.3	+1.4	66.6	69.2	58.4	8.4	-1.1
	May . . .	28.926	.828	.098	28.874	+0.04	103.0	73.5	112	62	95.6	100.9	88.0	-0.9	69.8	70.4	65.8	7.7	-1.4
	June . . .	.820	.726	.094	.769	+0.31	108.0	77.7	115	70	100.4	106.2	92.4	-0.6	72.9	72.7	70.3	7.4	+0.8
	July . . .	.775	.683	.092	.728	-0.05	96.3	78.4	113	69	89.6	94.2	86.4	-2.7	79.8	81.0	75.8	2.6	-1.4
	August . . .	.792	.689	.103	.736	-0.63	96.2	79.3	106	73	89.0	93.3	87.1	0	82.0	83.1	78.3	1.5	-2.6
	September . . .	.980	.880	.100	.922	-0.15	95.3	74.6	101	72	88.6	93.1	83.9	-0.9	77.8	78.2	69.8	4.8	-2.1
	October . . .	29.179	29.076	.103	29.117	+0.03	90.3	65.0	98	50	83.2	87.3	76.3	+0.6	70.4	71.9	59.0	6.0	-3.9
	November . . .	.312	.218	.094	.266	+0.05	82.6	48.8	36	43	73.1	76.3	63.7	+0.5	59.8	63.2	42.9	5.9	-4.9
	December . . .	.366	.272	.094	.309	-0.11	73.2	40.9	79	34	62.9	67.5	54.9	+0.3	52.9	56.7	34.7	6.2	-3.9
Year . . .	29.093	28.999	.094	29.040	+0.04	88.6	62.0	115	34	80.2	85.7	74.2	-0.5	66.1	68.2	55.5	6.5	-1.6	
Jaipur Rajputana (1,481).	January . . .	28.621	28.511	.110	28.555	+0.17	78.0	50.5	84	40	69.6	74.7	62.9	+3.0	54.8	57.8	..	..	..
	February . . .	.581	.478	.103	.518	+0.26	74.1	50.7	83	37	65.7	71.8	61.3	-2.9	52.9	55.2	..	..	..
	March . . .	.533	.422	.111	.469	+0.62	90.1	59.3	108	44	63.0	67.9	74.3	-0.6	59.4	60.5	..	..	..
	April . . .	.388	.272	.116	.326	+0.24	103.7	72.8	109	65	95.7	101.0	88.2	+1.9	66.3	66.5	..	..	..
	May . . .	.269	.162	.107	.213	+0.15	107.3	78.6	114	63	98.7	103.0	92.1	+0.5	69.7	69.2	..	..	..
	June . . .	.183	.075	.108	.132	+0.45	108.3	81.9	114	73	100.3	105.2	93.9	+3.3	72.5	72.2	..	..	..
	July . . .	.125	.021	.104	.075	+0.06	94.9	78.5	106	69	87.3	91.1	85.5	+0.8	77.4	77.8	..	..	..
	August . . .	.111	.017	.094	.066	-0.67	88.8	77.1	95	73	84.2	86.2	81.3	-1.0	79.2	79.8	..	..	..
	September . . .	.812	.209	.103	.258	0	93.2	73.6	99	69	86.5	89.8	81.9	-0.5	75.5	75.3	..	..	..
	October . . .	.466	.364	.102	.408	-0.05	89.5	67.2	99	55	88.5	85.6	77.1	-0.8	69.7	68.8	..	..	..
	November . . .	.604	.501	.103	.542	+0.26	86.2	54.5	89	49	79.3	81.4	68.8	-0.1	60.5	61.5	..	..	..
	December . . .	.633	.528	.105	.568	+0.04	78.3	51.6	83	43	70.9	73.6	63.0	+1.5	56.4	58.4	..	..	..
Year . . .	28.402	28.207	.105	28.344	+0.13	91.0	66.4	114	37	82.7	87.7	77.5	+0.4	66.2	66.9	..	..	..

TABLE D-1 FOR 1931.

and 17 hrs. (I. S. T.)

VAPOUR TENSION IN INCHES OF MERCURY.				HUMIDITY.				CLOUD.			WIND DIRECTION.										WIND VELOCITY.	
21	22	23	24	25	26	27	28	29	30	31	Total number of 10 hrs. and 17 hrs. winds from										42	43
											Mean 10 hrs.	Mean 17 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 17 hrs.	Mean of two previous columns.	Calm.	N.	N. E.			E.	S. E.	S.	S. W.	W.	N. W.	Mean wind direction.
.800	.812	.294	+025	63	48	67	-3	3.8	4.7	4.3	38	1	0	0	6	0	0	5	12	N 60° W	22	-3
.287	.278	.278	-009	62	47	67	+5	5.6	7.1	6.3	17	6	1	1	5	0	2	9	15	N 52° W	33	-6
.308	.270	.294	-066	41	30	47	-7	2.4	2.9	2.7	11	1	9	0	4	2	2	10	23	N 47° W	37	-14
.356	.354	.382	-013	27	22	37	-4	3.1	3.1	3.1	16	0	9	2	4	1	11	4	18	N 67° W	44	-12
.380	.332	.374	-080	23	17	30	-6	1.1	2.3	1.7	18	2	10	3	7	2	3	4	13	N 1° W	54	-2
.439	.353	.425	-202	24	16	29	-15	1.2	0.9	1.1	19	2	1	0	4	1	9	5	19	N 74° W	36	-27
.889	.881	.898	+035	66	57	69	+4	3.2	3.1	3.1	28	8	6	0	12	6	2	0	5	S 57° E	47	-13
.997	.996	1.016	+132	74	66	79	+8	6.3	5.2	5.7	25	1	14	1	16	1	1	0	3	E	40	0
.808	.763	.780	+071	61	50	66	+5	1.8	1.7	1.7	38	1	2	3	5	3	2	1	5	S 45° E	17	-20
.587	.587	.579	+134	51	45	63	+11	2.0	1.3	1.7	45	0	2	5	8	3	0	0	4	S 82° E	19	-9
.338	.405	.353	+037	42	45	58	+1	1.4	1.9	1.7	50	1	0	0	2	1	0	3	3	N 79° W	9	-14
.270	.314	.273	+002	47	47	59	-4	1.8	2.1	1.9	43	1	3	0	3	0	1	3	8	N 41° W	12	-11
.487	.487	.495	+004	48	41	56	0	2.8	3.0	2.9	348	19	57	15	71	20	33	44	123	..	31	-12
.234	.256	.240	-028	32	29	44	-12	1.3	2.9	2.1	12	6	4	14	5	6	6	4	5	S 81° E	49	-9
.236	.217	.230	-032	37	29	46	-1	4.1	4.6	4.3	4	7	4	16	2	6	3	7	7	N 50° E	63	-3
.208	.166	.188	-117	20	14	28	-11	0.8	1.7	1.3	7	13	5	5	4	4	2	8	14	N 23° W	66	-13
.257	.192	.236	-097	19	10	24	-6	0.7	1.9	1.3	2	4	2	2	1	4	9	25	11	N 87° W	74	-14
.335	.259	.307	-141	19	14	26	-9	0.7	2.7	1.7	2	5	1	1	1	2	6	25	19	N 73° W	93	-17
.429	.339	.303	-263	23	15	28	-24	0.9	1.1	1.0	2	4	1	1	0	0	0	29	23	N 04° W	101	-18
.799	.770	.785	-049	64	55	68	-8	5.2	5.3	5.3	3	3	3	5	1	1	9	26	11	N 81° W	86	-9
.930	.929	.931	+115	80	75	85	+7	8.2	7.3	7.7	7	5	10	9	0	6	5	10	10	N 26° W	55	-27
.733	.682	.725	+033	50	49	67	-2	4.1	4.5	4.3	10	3	8	5	1	2	5	18	10	S 58° W	50	-24
.556	.488	.521	+119	45	40	58	+12	2.5	1.9	2.2	9	5	6	19	3	3	4	6	7	N 61° E	61	+7
.282	.280	.268	-029	27	26	41	-6	0.4	0.5	0.5	28	7	1	1	1	2	0	4	16	N 38° W	26	-21
.268	.286	.258	-009	35	35	48	-5	1.3	1.1	1.2	14	4	11	13	3	1	0	3	10	N 46° E	45	-4
.439	.405	.423	-042	39	33	47	-6	2.5	3.0	2.7	100	66	56	94	22	37	49	163	143	..	64	-13

MONTHLY AND ANNUAL

Abstract of observations taken at 10 hrs.

1	2	PRESSURE (REDUCED TO 32° F. AND STANDARD GRAVITY.)					TEMPERATURE OF AIR.									TEMPERATURE WET BULB.				NOCTURNAL RADIATION TEMPERATURE.		
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
Station and height of bar station above sea level in feet.	MONTH.	Mean 10 hrs.	Mean 16 hrs.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Mean maximum.	Mean minimum.	Highest maximum.	Lowest minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily indam.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous observations.	Mean.	Depression below mean minimum.	Departure from normal.	
Calcutta (Bengal). (21)	January	30.031	29.901	-130	29.956	-007	81.7	59.8	88	53	73.0	80.4	69.7	+4.5	57.8	63.9	64.9	62.2	58.1	6.7	-0.9	
	February	29.994	-871	-123	-924	+022	83.3	63.4	91	52	74.8	81.4	72.4	+2.1	61.0	65.9	68.1	65.0	56.7	6.7	-0.6	
	March	-914	-787	-127	-844	+043	91.9	70.7	99	62	84.2	90.3	80.4	+1.1	66.3	72.3	71.4	70.0	64.9	5.8	-0.4	
	April	-752	-623	-129	-687	-009	97.2	78.5	103	68	89.3	94.5	87.2	+2.2	75.1	79.9	80.6	78.5	74.1	4.4	0	
	May	-652	-542	-110	-599	-007	94.4	78.8	101	70	89.3	90.5	86.3	+0.6	75.7	81.3	80.9	79.3	76.4	2.4	-0.6	
	June	-540	-442	-098	-497	+003	95.2	81.5	102	76	90.1	91.4	88.0	+3.5	79.2	83.5	83.3	82.0	79.4	2.1	-0.2	
	July	-538	-450	-088	-500	+015	89.1	79.3	93	75	84.8	85.7	83.9	+0.9	78.2	80.9	81.3	80.1	77.5	1.8	-0.1	
	August	-456	-384	-102	-437	-099	89.9	80.3	94	77	85.2	87.1	84.8	+2.4	79.2	81.6	82.5	81.1	78.8	1.5	-0.6	
	September	-702	-591	-111	-647	+010	89.6	79.4	94	75	86.2	85.8	84.2	+1.6	78.5	81.6	81.3	80.5	77.7	1.7	-1.0	
	October	-841	-732	-109	-782	-003	87.0	76.3	93	72	88.2	83.0	81.1	+1.1	75.0	77.8	78.0	76.9	74.1	2.2	-2.2	
	November	-979	-867	-112	-919	+010	81.8	65.8	87	61	77.2	79.5	73.2	+0.8	64.7	69.7	69.8	68.1	60.8	5.0	-1.2	
	December	30.017	-899	-118	-947	-026	78.1	59.2	80	51	71.6	76.2	67.6	+2.3	57.7	63.6	64.8	62.1	52.4	6.6	-0.6	
Year	29.787	29.674	-113	29.728	-004	88.3	72.7	103	51	82.4	85.5	79.9	+1.9	70.7	75.2	76.6	73.8	68.8	3.9	-0.7		
Srinagar (Kashmir). (5,204)	January	25.005	24.918	-087	24.952	-007	47.8	30.9	56	22	38.2	45.3	37.6	+0.9	29.9	35.9	40.1	35.3	24.0	6.9	-0.3	
	February	24.897	-825	-072	-857	-048	44.7	31.3	53	22	36.9	42.2	36.4	+3.4	30.1	35.2	38.0	34.4	27.2	4.1	-3.1	
	March	-956	-865	-091	-906	+034	61.4	37.2	79	29	51.2	59.2	48.2	+3.1	34.6	45.4	47.9	42.6	30.6	6.6	-1.9	
	April	-927	-833	-093	-875	+023	71.3	46.7	84	39	60.7	68.7	58.0	+2.3	43.9	53.9	56.1	51.3	41.6	5.1	-3.7	
	May	-832	-766	-066	-801	+019	74.6	52.3	88	46	64.4	70.8	62.8	-1.1	49.8	58.0	59.9	55.9	47.5	4.8	-4.7	
	June	-745	-670	-075	-709	+045	84.4	55.0	93	47	73.4	80.8	68.6	-1.3	52.5	63.0	65.2	60.3	48.2	6.8	-3.0	
	July	-658	-602	-056	-626	+028	81.7	61.2	93	53	72.5	78.3	69.7	-3.3	58.8	65.8	67.4	64.0	51.5	9.7	+0.3	
	August	-645	-552	-093	-596	-040	89.5	65.6	97	61	78.3	87.3	75.0	+4.2	62.9	70.3	71.7	68.3	60.0	5.6	-3.6	
	September	-796	-701	-094	-747	-024	85.6	54.9	92	47	72.7	81.7	68.4	+4.4	52.0	63.4	65.9	60.4	48.7	6.2	-5.1	
	October	-954	-856	-098	-905	0	75.1	46.6	93	35	62.9	69.6	59.2	+6.0	43.6	55.5	57.1	52.0	40.8	5.8	-4.4	
	November	25.031	-927	-104	-973	+010	62.0	33.1	72	26	49.3	56.3	45.8	+1.8	31.2	44.5	47.4	41.0	29.2	3.9	-0.1	
	December	-034	-933	-101	-975	-014	52.1	26.7	62	19	40.3	49.1	37.6	+1.2	25.0	36.7	42.0	34.5	23.5	3.2	-3.9	
Year	24.873	24.787	-086	24.827	+002	69.2	45.1	97	19	53.4	65.8	55.6	+1.7	42.9	52.3	54.9	50.0	39.4	5.7	-3		

TABLE D-1 FOR 1931—contd.

and 16 hrs. (local time).

BAROMETRIC PRESSURE IN INCHES OF MERCURY.					HUMIDITY.					CLOUD.				WIND DIRECTION.										WIND VELOCITY.			
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Total number of 10 hrs. and 16 hrs. winds from										Mean wind direction.	Normal mean wind direction.	Mean velocity in miles per hour.	Departure from normal.
23	24	25	26	27	28	29	30	31	32	33	34	35	36	Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.	46	47	48	49	
-460	-476	-410	-465	+034	89	89	40	64	-6	1.4	1.8	1.6	+0.1	3	8	5	4	1	1	4	11	25	N 48° W	N 30° W	49	+4	
-516	-525	-514	-544	+059	87	61	49	68	+2	2.6	3.3	3.1	+0.9	2	9	5	4	2	3	10	6	15	N 51° W	N 73° W	64	+	
-617	-640	-522	-633	-010	81	55	38	63	-4	2.6	2.0	2.3	+0.1	1	3	0	3	2	6	23	16	8	S 66° W	S 60° W	74	-12	
-641	-696	-859	-897	+100	85	65	54	73	+3	2.5	2.4	2.4	-0.2	3	0	1	0	2	22	27	3	2	S 28° W	S 30° W	131	+8	
-863	60	-925	-922	+039	83	70	65	76	+1	4.9	4.7	4.8	+0.5	0	0	4	3	2	30	23	0	0	S 11° W	S 9° W	140	+17	
-973	1-057	1-081	1-081	+060	91	75	71	81	-2	5.2	5.7	5.5	-2.0	3	1	0	2	14	25	14	0	1	S 2° E	S 3° W	97	-7	
-983	1-001	1-008	-987	+016	95	84	82	88	+1	9.2	9.5	9.3	+0.7	3	0	0	1	4	13	34	5	2	S 35° W	S 1° W	86	-2	
-986	1-027	1-047	1-022	+055	95	85	82	88	0	8.3	7.9	8.1	-0.6	2	1	3	14	9	13	13	4	3	S 17° E	S 2° E	83	+1	
-974	1-016	1-064	1-004	+052	97	82	82	88	+2	7.0	8.4	7.7	-0.2	4	0	3	15	15	11	9	2	1	S 37° E	S 9° W	57	-14	
-862	-883	-891	-899	+083	95	78	80	87	+5	5.9	7.1	6.5	+1.9	8	7	10	16	4	4	3	0	10	N 54° E	N 18° W	54	+5	
-602	-629	-601	-626	+048	94	67	60	77	+3	3.7	3.2	3.5	+1.0	9	14	3	5	3	0	4	3	19	N 22° W	N 12° W	34	-10	
-461	-484	-461	-486	+048	91	63	52	71	0	1.8	2.3	2.0	+0.2	5	18	4	1	0	0	1	6	27	N 30° W	N 13° W	42	-2	
-753	-799	-773	-793	+049	91	70	63	77	0	4.6	4.9	4.7	+0.1	43	61	38	68	58	128	165	56	113	..	..	76	-1
-162	-186	-190	-176	+018	86	81	63	77	-7	8.1	7.7	7.9	+0.7	14	6	9	1	8	1	0	5	18	N 14° W	S 21° E	41	-13	
-161	-186	-184	-170	-004	84	85	69	79	-4	8.8	7.9	8.3	+1.7	15	9	2	0	4	4	1	5	16	N 42° W	S 9° W	55	-6	
-174	-246	-212	-198	-057	78	65	45	63	-18	4.6	5.7	5.1	-0.6	9	12	1	3	7	2	1	14	13	N 47° W	N 24° W	58	-26	
-259	-343	-311	-283	-047	80	65	46	64	-14	5.2	6.6	5.9	+0.9	19	5	2	1	3	5	3	11	11	N 73° W	N 18° W	59	-25	
-332	-414	-396	-352	-090	84	70	56	70	-8	5.5	6.5	6.0	+2.0	19	6	2	2	6	1	2	6	18	N 43° W	N 30° E	58	-17	
-373	-456	-445	-377	-158	85	55	44	61	-18	2.4	6.0	4.2	+0.6	16	7	3	1	3	10	3	8	9	S 86° W	N 9° E	49	-17	
-472	-560	554	-475	-164	87	71	58	72	-9	5.4	5.9	5.7	+1.7	30	4	1	1	10	3	1	5	7	S 61° W	N 43° W	40	-29	
-546	-651	600	-551	-062	86	68	48	67	-13	4.4	3.9	4.1	+0.3	32	1	1	1	5	3	1	9	9	N 86° W	N 43° W	35	-28	
-661	-482	-458	-404	-094	83	60	42	61	-19	2.7	4.7	3.7	+0.4	30	3	3	0	8	5	1	7	3	S 23° W	N 32° W	47	-11	
-259	-367	-336	-276	-026	79	63	47	63	-16	3.4	4.2	3.8	+1.1	33	5	2	0	4	1	1	8	8	N 54° W	N 23° W	46	-7	
-153	-240	-227	-191	-042	79	69	52	67	-12	4.1	3.6	3.9	+0.9	27	9	3	1	1	1	0	10	8	N 39° W	N 1° E	30	-6	
-121	-179	-187	-155	-021	79	72	55	68	-13	3.8	4.1	4.0	-1.1	28	7	3	3	2	3	2	6	6	N 43° W	S 36° E	39	-6	
-279	-359	-342	301	-062	83	69	53	68	-12	4.9	5.6	5.2	+0.7	272	74	32	14	61	39	16	96	126	..	..	47	-16

MONTHLY AND ANNUAL

Abstract of observations taken at 10 hr.

Station and height or distance above sea level in feet.	MONTH.	PRESSURE (REDUCED TO 32° F. AND STANDARD GRAVITY.)					TEMPERATURE OF AIR.								TEMPERATURE WET BULB.			
		Mean 10 hrs.	Mean 16 hrs.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Mean maximum.	Mean minimum.	Highest maximum.	Lowest minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Bombay (Bombay), (37)	January	29.930	29.822	.108	29.881	-.013	86.6	68.9	94	63	77.2	81.5	76.9	+2.4	63.7	68.2	71.7	67.9
	February . . . . .	.911	.804	.107	.864	-.008	84.1	68.5	88	65	77.2	80.7	75.4	+0.6	63.3	67.6	70.0	67.0
	March . . . . .	.890	.782	.108	.844	+0.28	85.9	71.5	91	65	80.4	83.3	77.1	-0.9	67.5	71.8	72.9	70.7
	April . . . . .	.805	.683	.122	.755	+0.04	91.1	78.0	94	73	86.6	87.8	83.5	+1.4	74.1	78.2	78.2	76.9
	May . . . . .	.768	.667	.096	.726	+0.13	92.4	80.7	94	77	87.9	89.5	85.4	+0.8	76.6	79.0	79.7	78.4
	June . . . . .	.664	.583	.081	.637	+0.25	91.1	81.2	95	75	86.9	87.5	85.0	+2.6	77.5	80.1	80.3	79.3
	July . . . . .	.620	.534	.068	.598	-.013	85.7	76.3	89	73	81.8	81.9	79.5	0	75.0	78.8	78.6	77.5
	August . . . . .	.611	.535	.076	.583	-.085	85.6	77.0	88	75	81.3	82.2	80.2	+0.8	75.6	77.9	78.2	77.3
	September . . . . .	.744	.652	.092	.708	-.022	86.4	76.8	89	73	81.9	83.0	80.5	+1.1	74.6	77.3	77.2	76.4
	October . . . . .	.793	.693	.100	.752	-.034	86.9	75.2	94	71	80.8	82.8	79.7	-1.0	73.0	76.4	77.3	75.6
	November . . . . .	.888	.783	.105	.844	-.008	90.2	74.3	94	71	81.0	84.5	81.4	+2.1	70.3	73.4	75.3	73.0
	December . . . . .	.915	.809	.106	.869	-.023	87.3	69.7	93	65	77.3	81.3	77.7	+1.2	65.6	69.0	71.8	68.8
Year	29.795	29.697	.098	29.755	-.011	87.8	74.8	95	63	81.7	83.7	80.2	+1.4	71.4	74.8	75.9	74.1	
Madras (Madras), (21)	January	29.972	.871	.101	29.919	-.007	84.3	69.0	86	64	80.9	81.0	75.9	+0.6	66.6	72.0	71.5	70.0
	February . . . . .	.959	.835	.124	.895	-.001	86.4	68.9	90	63	83.1	83.3	76.8	+0.2	67.5	73.4	73.6	71.5
	March . . . . .	.917	.794	.123	.855	+0.20	89.8	72.7	93	69	86.1	85.9	79.6	+0.1	70.5	75.7	75.7	74.0
	April . . . . .	.810	.691	.119	.758	+0.03	92.9	78.7	98	74	89.8	87.9	84.8	+0.7	76.2	79.2	79.7	78.4
	May . . . . .	.702	.587	.115	.653	-.010	98.2	81.5	106	71	93.4	90.8	88.8	+0.1	76.8	79.8	80.8	79.1
	June . . . . .	.651	.547	.104	.608	-.021	100.3	82.4	108	75	93.2	93.3	90.1	+1.7	74.6	77.8	80.0	77.4
	July . . . . .	.702	.592	.110	.658	+0.10	94.4	78.6	101	74	88.0	89.8	85.0	-0.7	73.1	76.9	78.3	76.3
	August . . . . .	.669	.550	.119	.619	-.057	94.8	78.6	99	75	87.8	91.0	85.6	+1.1	73.6	77.0	78.5	76.4
	September . . . . .	.727	.609	.118	.677	-.030	92.0	77.7	99	75	86.8	87.5	83.8	-0.1	73.8	77.1	78.5	76.5
	October . . . . .	.807	.686	.121	.752	-.023	90.7	76.5	95	72	85.5	86.8	82.3	+1.5	73.3	77.2	77.6	76.0
	November . . . . .	.910	.811	.099	.863	+0.07	84.2	78.3	87	69	81.1	81.0	77.9	0	71.3	75.7	75.1	74.0
	December . . . . .	.921	.820	.101	.870	-.040	82.0	72.4	85	68	78.9	79.0	76.4	+0.7	70.2	73.9	73.5	72.5
Year	29.812	29.699	.113	29.761	-.012	90.8	75.9	108	63	86.2	86.4	82.3	+0.5	72.3	76.3	76.9	75.2	

TABLE D-1 FOR 1931—contd.

and 16 hrs. (local time).

VAPOUR TENSION IN INCHES OF MERCURY.					HUMIDITY.					CLOUD.				WIND DIRECTION.										WIND VELOCITY.		
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Total number of 10 hrs. and 16 hrs. winds from										Mean velocity in miles per hour.	Departure from normal.	
20	21	22	23	24	25	26	27	28	29	30	31	32	33	Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.	Mean wind direction.	Normal mean wind direction.	45	46
-523	-571	-646	-598	+007	75	61	60	69	-3	0.9	1.3	1.1	0	0	21	9	18	0	0	0	1	13	N 19° E	N 6° E	149	-25
-511	-547	-591	-573	-046	74	59	57	67	-4	0.3	0.5	0.4	-0.8	0	25	5	10	3	1	0	1	11	N 11° E	N 1° W	175	-8
-618	-666	-682	-682	-055	80	64	62	73	-2	2.0	2.4	2.2	+0.9	0	21	2	5	2	2	3	4	23	N 32° W	N 36° W	160	-31
-784	-852	-836	-849	+008	82	67	64	74	-3	1.7	1.0	1.4	-0.2	0	15	0	1	1	3	5	12	23	N 52° W	N 60° W	162	-23
-860	-869	-880	-822	-007	82	66	63	74	-2	1.5	1.8	1.7	-0.9	0	1	0	0	0	1	8	21	31	N 72° W	N 83° W	136	-41
-893	-937	-937	-938	0	84	74	72	79	-4	5.7	6.1	5.9	-1.2	0	1	1	0	1	6	12	15	24	N 84° W	S 63° W	203	-63
-851	-943	-933	-924	+003	94	87	86	90	+3	9.3	9.3	9.3	+0.6	0	1	1	1	0	4	17	32	6	S 78° W	S 75° W	210	-130
-866	-911	-910	-904	+019	94	86	83	88	+1	9.1	9.2	9.2	+0.8	0	1	0	0	1	1	3	44	12	N 84° W	S 81° W	215	-55
-827	-875	-854	-859	-013	90	81	76	83	-3	7.4	7.3	7.4	+0.5	0	5	0	3	3	1	2	7	39	N 48° W	N 84° W	178	-11
-786	-853	-866	-848	-004	90	81	78	85	+4	5.5	5.5	5.5	+2.4	0	9	3	11	1	7	10	9	12	N 69° W	N 9° E	163	+4
-692	-721	-753	-747	+031	81	68	64	75	+2	2.5	2.4	2.5	+0.8	0	14	5	18	6	2	1	1	13	N 37° E	N 18° E	139	-39
-577	-598	-654	-635	-004	80	64	62	72	0	2.4	2.5	2.5	+0.6	0	15	19	20	5	1	0	0	11	N 42° E	N 15° E	150	-30
-782	-779	-795	-787	-005	84	71	69	77	-1	4.0	4.1	4.1	+0.3	0	129	36	87	23	29	61	147	218	..	..	170	-35
-622	-663	-644	-661	-024	88	63	61	74	-5	5.1	4.4	4.7	+0.6	1	19	27	10	0	0	0	1	4	N 32° E	N 51° E	112	+13
-654	-694	-697	-705	-010	98	62	61	75	-3	3.7	2.6	3.2	0	2	3	9	24	13	3	0	0	2	S	S 84° E	77	-11
-715	-746	-750	-761	-041	89	60	61	74	-4	2.9	1.2	2.1	-0.1	0	0	2	9	25	21	5	0	0	S 31° E	S 44° E	100	-9
-868	-853	-901	-896	-004	89	61	68	76	-2	4.2	2.6	3.4	-0.1	2	0	0	7	16	25	9	1	0	S 14° E	S 36° E	128	-5
-860	-834	-912	-882	-014	80	54	63	65	-5	4.3	4.3	4.3	+0.6	1	0	0	6	10	26	13	6	0	S 3° W	S 9° E	143	-16
-750	-745	-840	-795	-038	69	48	55	59	-7	5.2	6.5	5.8	-0.4	4	0	1	4	9	12	9	20	1	S 34° W	S 37° W	144	-19
-739	-774	-839	-799	-013	76	59	61	66	-2	7.6	8.4	8.0	+0.7	4	0	0	2	6	9	18	22	1	S 50° W	S 51° W	113	-26
-780	-782	-803	-792	-044	78	60	56	66	-7	6.7	8.1	7.4	+0.5	8	0	0	0	5	7	17	25	0	S 54° W	S 36° W	123	+2
-780	-805	-853	-824	-024	82	65	66	73	-4	6.5	7.5	7.0	+0.7	7	0	0	4	9	4	11	20	5	S 63° W	S 36° W	91	-14
-777	-821	-821	-822	-034	85	63	65	75	-8	6.8	5.5	6.1	+0.1	10	6	2	2	7	4	9	15	7	S 81° W	N 54° E	88	+4
-740	-815	-793	-803	+007	90	77	75	84	0	7.5	7.6	7.6	+1.7	7	15	9	10	7	0	2	0	10	N 30° E	N 27° E	101	-13
-710	-770	-750	-762	+033	89	73	76	83	+1	7.6	7.4	7.5	+2.0	8	26	13	11	0	0	0	0	4	N 26° E	N 24° E	151	+23
-743	-775	-800	-792	-017	84	63	64	73	-3	5.7	5.5	5.6	+0.6	54	69	68	89	107	111	93	110	34	114	-5

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Abstract of observations taken at 10 hrs.

1	2	PRESSURE (REDUCED TO 32° F. AND STANDARD GRAVITY).					TEMPERATURE OF AIR.								TEMPERATURE WET BULB.		NOCTURNAL RADIATION TEMPERATURE.	
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Pooné (Bombay). (1,834)	January	28-168	28-022	-136	28-088	+010	87-9	52-6	91	47	76-0	85-7	70-0	+0-7	60-4	62-8	45-1	7-5
	February	155	27-984	-141	055	+006	92-0	56-4	97	51	80-0	89-3	74-2	+0-8	61-5	63-7	48-0	8-4
	March	161	968	-138	035	+035	95-8	64-0	101	51	85-1	92-4	77-7	-2-1	62-0	64-4	51-5	9-5
	April	024	882	-142	27-058	+017	102-7	71-4	108	63	94-0	99-3	85-3	+1-4	67-7	69-1	62-6	8-8
	May	27-973	854	-119	020	+014	99-4	72-6	106	68	91-4	96-1	84-2	+0-3	68-8	69-9	64-5	8-1
	June	892	790	008	854	+023	92-7	75-2	100	72	86-1	87-7	81-7	+2-6	73-4	74-0	71-0	4-2
	July	861	797	064	828	+006	81-8	71-5	86	70	78-5	77-8	74-0	-0-5	73-0	72-2	69-3	2-2
	August	888	766	072	804	-063	80-7	72-0	85	71	77-8	78-8	74-4	+0-2	72-0	72-1	69-4	2-6
	September	982	867	095	918	-010	82-6	69-9	89	65	77-9	78-0	74-1	-0-6	71-7	72-1	66-2	3-7
	October	28-025	911	-114	972	-026	84-6	67-0	91	53	79-6	81-5	74-5	-1-8	70-3	70-6	62-2	4-8
	November	129	28-008	-121	28-638	+016	84-7	66-2	88	50	77-5	92-6	72-4	+0-3	66-5	67-9	53-2	7-0
	December	153	025	-128	889	-005	81-8	58-6	89	46	72-7	79-8	67-7	-0-7	61-8	63-6	47-9	5-7
Year	28-020	27-907	-118	27-966	+002	88-9	65-8	108	46	81-3	86-5	75-9	0	67-4	68-5	59-2	6-0	
Bangalore (Mysore). (3,021)	January	28-993	26-882	-111	26-935	+017	82-1	58-8	85	53	72-6	79-6	69-5	+2-0	63-5	63-1	..	..
	February	981	640	-132	012	+011	89-4	60-0	93	56	78-0	87-6	74-0	+2-0	68-1	62-5	..	..
	March	967	628	-139	097	+033	93-3	67-1	96	62	83-0	91-1	79-2	+2-5	66-7	66-1	..	..
	April	896	765	-131	837	+027	95-7	71-6	101	67	85-8	92-9	82-4	+2-5	72-1	69-8	..	..
	May	842	728	-114	792	+017	95-2	70-0	102	66	84-8	91-4	81-4	+2-9	71-1	70-6	..	..
	June	800	704	096	759	+004	87-0	68-5	91	66	78-4	84-6	76-0	+2-0	70-5	71-8	..	..
	July	808	717	091	771	+011	84-7	67-1	89	65	76-2	81-3	74-0	+2-0	68-8	69-7	..	..
	August	787	695	092	750	-026	84-0	67-5	87	64	76-2	79-9	73-8	+2-0	69-0	70-1	..	..
	September	886	727	-109	789	-017	83-2	65-9	89	66	76-6	80-2	72-7	+0-9	69-8	70-4	..	..
	October	892	773	-119	834	-005	84-5	65-9	89	60	77-2	82-0	73-7	+1-9	68-2	68-9	..	..
	November	942	842	-100	891	+012	80-9	68-5	85	56	74-7	77-6	71-2	+1-6	67-1	67-7	..	..
	December	944	845	099	896	-018	78-4	61-2	84	54	71-8	76-1	68-9	-1-4	64-7	65-6	..	..
Year	26-891	26-780	-111	26-889	+006	86-5	65-7	102	58	77-6	83-7	74-7	+1-9	68-8	68-9	..	..

TABLE D-1 FOR 1931--contd.

and 16 hrs. (local time).

VAPOUR DIMENSION IN INCHES OF MERCURY.				24	HUMIDITY.			CLOUD.				WIND DIRECTION.										WIND VELOCITY.		
20	21	22	23		25	26	27	28	29	30	31	Total number of 10 hrs. and 16 hrs. winds from										43	44	
												32	33	34	35	36	37	38	39	40	41			42
Mean 10 hrs.	Mean 16 hrs.	Mean of daily mean.	Departure from normal.	Mean 10 hrs.	Mean of daily mean.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	NE.	E.	SE.	S.	SW.	W.	NW.	Mean wind direction.	Normal mean wind direction.	Mean velocity in miles per hour.	Departure from normal.	
884	291	327	..	37	23	47	..	1.7	2.8	2.3	..	12	4	12	17	9	1	1	3	2	N 77° E	..	33	..
884	269	381	..	31	20	42	..	0.8	1.6	0.9	..	11	1	6	9	4	1	3	7	14	N 18° W	..	47	..
872	257	326	..	22	17	37	..	3.1	4.6	3.9	..	12	2	3	7	5	1	4	16	12	N 70° W	..	56	..
849	233	408	..	22	18	38	..	2.1	3.6	2.9	..	6	11	11	3	3	0	0	5	21	N 12° W	..	66	..
418	467	478	..	29	24	44	..	0.8	1.6	1.3	..	0	8	0	0	0	0	5	15	34	N 56° W	..	123	..
460	667	678	..	54	53	65	..	5.7	7.1	6.4	..	1	0	0	0	0	0	10	80	19	N 83° W	..	141	..
741	727	725	..	77	78	82	..	8.9	9.2	9.1	..	0	0	0	0	0	3	16	82	11	S 82° W	..	99	..
744	729	738	..	80	80	89	..	9.2	8.9	9.1	..	0	0	0	0	0	0	8	85	19	N 82° W	..	99	..
701	712	708	..	74	75	84	..	8.2	8.6	8.4	..	1	1	1	0	2	1	5	28	21	N 77° W	..	99	..
423	611	652	..	68	59	67	..	5.7	6.3	6.0	..	5	5	4	7	8	2	6	16	9	N 78° W	..	47	..
419	503	611	..	55	46	50	..	3.7	4.0	3.6	..	2	2	11	31	13	0	0	0	1	N 83° E	..	29	..
405	898	406	..	51	41	46	..	3.2	3.6	3.4	..	2	3	12	26	16	2	0	0	1	S 89° E	..	47	..
407	492	523	..	50	45	58	..	4.4	5.2	4.6	..	52	37	61	100	60	11	58	187	164	..	..	74	..
441	374	436	+028	56	58	59	-3	3.0	3.7	3.3	+1.0	1	0	21	37	3	0	0	0	0	N 77° E	N 88° E	95	+2
394	252	355	-052	42	19	42	-12	1.6	1.9	1.7	0	2	1	8	27	14	1	2	1	0	S 82° E	S 69° E	80	-8
464	343	439	-096	42	24	43	-7	1.5	3.1	2.3	+1.0	3	3	4	16	9	10	12	4	1	S 7° E	S 36° E	51	-35
435	445	572	+017	53	30	51	-4	3.5	5.5	4.5	+1.3	5	2	8	13	10	5	5	20	2	S 59° E	S 27° W	71	-13
486	506	584	-021	53	36	54	-9	4.8	6.4	5.6	+1.3	2	8	4	1	1	2	6	20	18	N 63° W	S 81° W	103	-7
432	629	648	+025	68	54	71	-3	7.9	7.5	7.7	+0.2	0	0	0	0	0	1	10	43	6	S 86° W	S 72° W	181	-32
615	589	605	-007	69	56	69	-3	9.1	9.0	9.1	+0.6	0	0	0	0	0	1	17	40	4	S 73° W	S 72° W	171	-13
621	620	630	+017	69	61	78	-6	9.6	9.1	9.4	+1.1	0	0	0	0	0	0	12	47	3	S 84° W	S 61° W	161	+0
632	627	639	+016	70	62	74	-6	7.8	8.5	8.1	+0.6	2	4	0	0	0	0	5	37	12	N 80° W	S 84° W	121	-2
586	555	585	-023	63	52	66	-13	7.2	6.8	7.0	+0.9	0	5	12	3	1	0	9	25	7	N 65° W	N	101	+19
597	566	604	+038	67	61	77	+2	5.9	7.1	6.5	+1.2	3	1	24	18	8	2	2	1	1	N 76° E	N 60° E	84	-4
629	500	528	+022	69	58	76	+8	7.2	7.3	7.2	+3.7	0	2	43	17	0	0	0	0	0	N 56° E	N 72° E	104	+8
563	502	554	+052	66	46	63	-5	5.8	6.3	6.0	+1.0	18	26	124	132	46	22	80	228	54	..	..	105	-5

MONTHLY AND ANNUAL

Abstract of observations taken at 10 hrs. (local time)

Station and height of bar cistern above sea level in feet.	MONTH.	PRESSURE (REDUCED TO 32°F. AND STANDARD GRAVITY.)					TEMPERATURE OF AIR.								TEMPERATURE WET BULB.		VAPOUR TENSION IN INCHES OF MERCURY.			
		Mean 10 hrs.	Mean 16-17 hrs.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Mean maximum.	Mean minimum.	Highest maximum.	Lowest minimum.	Mean 10 hrs.	Mean 16-17 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16-17 hrs.	Mean 10 hrs.	Mean 16-17 hrs.	Mean of daily means.	Departure from normal.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Kodalkanal (Madras) (7,688). Afternoon observations at 16 hrs. (local time.)	January . . .	22-834	22-764	-070	22-798	+028	63-5	48-3	71	45	60-4	57-5	55-7	+2-2	48-9	52-1	.234	.332	.252	-.004
	February . . .	.855	.784	-071	.813	+082	69-7	49-9	75	46	66-4	62-2	60-0	+6-4	47-0	53-0	.121	.308	.189	-.073
	March . . .	.867	.798	-069	.824	+041	69-3	50-3	72	45	65-9	62-9	60-5	+4-3	50-6	54-6	.211	.341	.254	-.014
	April . . .	.833	.765	-068	.798	+085	69-0	53-0	72	50	66-1	63-1	61-1	+2-2	56-1	58-4	.348	.440	.371	+032
	May . . .	.803	.787	-066	.767	+025	70-0	55-7	74	52	67-6	63-6	62-9	+3-2	56-4	58-1	.339	.420	.353	-.023
	June . . .	.753	.695	-058	.724	+024	66-8	55-1	73	52	64-6	61-6	60-4	+3-5	57-9	58-0	.410	.445	.398	+022
	July . . .	.751	.694	-057	.724	+087	63-5	53-2	67	51	61-0	58-7	57-6	+2-4	56-1	56-1	.401	.424	.385	+0-8
	August . . .	.738	.671	-067	.707	+066	62-7	53-7	66	51	60-6	58-2	57-3	+1-8	56-2	56-0	.413	.424	.391	+011
	September . . .	.701	.697	-064	.723	+012	63-9	52-7	61	51	61-0	59-6	57-3	+1-9	55-1	56-7	.374	.430	.375	-.005
	October . . .	.802	.727	-075	.778	+089	63-6	52-5	67	50	60-7	58-3	56-8	+2-0	56-5	56-3	.412	.432	.399	+021
	November . . .	.815	.741	-074	.783	+023	61-8	50-1	67	45	58-5	55-9	54-9	+1-4	54-7	54-5	.388	.412	.377	+031
	December . . .	.797	.723	-074	.761	+001	59-5	49-4	66	45	56-6	55-2	53-3	+0-7	53-3	52-8	.377	.377	.346	+070
Year . . .	22-801	22-738	-068	22-767	+025	65-3	52-0	75	45	62-5	59-7	58-2	+2-8	54-1	55-5	.336	.399	.341	+006	
Trivandrum (Madras) (197) Afternoon observations at 17 hrs. (I. S. T.)	January . . .	29-690	29-601	-089	29-645	-018	84-5	75-2	87	71	81-1	83-5	79-1	+2-0	73-7	76-0	.729	.796	.766	+100
	February . . .	.711	.588	-123	.648	-001	86-8	74-9	91	71	82-7	85-7	80-0	+1-4	73-5	76-7	.708	.784	.755	+070
	March . . .	.699	.584	-115	.642	+015	89-5	78-5	91	72	86-1	87-9	82-4	+2-1	76-9	79-3	.791	.863	.840	+065
	April . . .	.635	.527	-108	.582	+002	87-1	79-5	92	75	85-3	83-1	82-3	+0-4	79-0	80-2	.899	.950	.928	+100
	May . . .	.601	.505	-096	.556	-015	87-6	80-5	90	75	85-3	86-2	83-0	+1-7	76-8	79-8	.910	.922	.919	+076
	June . . .	.599	.532	-067	.568	-010	83-0	76-7	85	75	80-6	81-6	78-7	+0-3	77-5	78-0	.901	.909	.905	+095
	July . . .	.627	.549	-078	.593	+002	82-1	75-1	83	71	79-9	80-8	77-1	-0-1	76-4	76-7	.859	.859	.859	+064
	August . . .	.623	.544	-084	.589	-010	80-6	74-5	83	72	78-3	79-2	76-4	-1-4	75-9	76-1	.860	.856	.863	+073
	September . . .	.629	.539	-090	.587	-029	82-1	75-1	86	72	80-2	80-8	77-5	-0-5	75-5	76-1	.827	.837	.841	+080
	October . . .	.657	.569	-088	.611	-007	85-1	75-9	87	74	82-6	82-3	79-2	+1-5	76-3	75-9	.820	.829	.824	+083
	November . . .	.668	.579	-089	.624	-016	84-8	74-4	87	71	81-2	82-2	78-8	+1-1	75-9	76-8	.821	.848	.826	+045
	December . . .	.653	.563	-090	.606	-045	83-9	74-6	87	69	79-8	82-4	78-5	+1-1	75-6	76-8	.828	.847	.831	+123
Year . . .	29-650	29-557	-093	29-605	-011	84-8	76-2	92	69	81-9	83-0	79-4	+0-8	76-1	77-4	.829	.858	.846	+076	

TABLE D-1 FOR 1931—contd.

and 16 hrs. or 17 hrs. (I. S. T.)

HUMIDITY.				CLOUD.				WIND DIRECTION.												WIND VELOCITY.		
E2	Mean 10 hrs.	Mean 16-17 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16-17 hrs.	Mean of two previous columns.	Departure from normal.	Total number of 10 hrs. and 16-17 hrs. winds from												Mean velocity in miles per diem.	Departure from normal.
									30	31	32	33	34	35	36	37	38	39	40	41			42
50	72	64	+2	4.3	5.8	5.1	+1.0	1	3	16	15	21	3	0	0	3	S 88° E	N 76° E	184	-35		
19	50	43	-18	1.0	3.0	2.0	-1.9	0	3	11	15	19	3	0	1	4	S 85° E	N 60° E	183	-23		
33	59	51	-5	1.4	5.4	3.4	-0.4	2	9	18	11	19	1	0	1	1	N 77° E	N 63° E	153	-59		
56	75	70	+5	4.2	6.9	5.5	+0.3	0	6	18	10	16	8	0	0	2	N 89° E	N 71° E	124	-79		
52	72	68	-4	4.9	7.5	6.2	+0.1	0	13	13	7	13	5	1	1	9	N 52° E	N 27° E	143	-41		
68	82	77	-1	6.3	8.8	7.5	-0.2	3	3	1	1	3	1	4	21	23	N 69° W	N 69° W	169	-93		
76	86	83	0	8.1	9.4	8.7	+0.6	8	3	1	0	1	7	1	19	22	N 73° W	N 67° W	153	-127		
78	88	86	+2	8.3	9.4	8.9	+1.0	1	1	0	0	0	1	0	32	27	N 69° W	N 58° W	212	-17		
70	85	82	-2	5.1	8.6	6.9	-0.9	4	5	3	2	5	3	2	10	26	N 52° W	N 56° W	150	-54		
78	89	93	+7	6.8	8.2	7.5	0	5	12	6	12	4	4	1	3	15	N 14° E	N	117	-71		
80	92	91	+8	7.3	9.1	8.2	+0.9	1	6	11	13	19	6	2	1	1	S 79° E	N 21° E	168	-35		
86	87	89	+23	7.2	8.1	7.7	+2.6	0	15	19	6	15	5	1	1	2	N 68° E	N 64° E	191	-25		
62	79	75	+2	5.4	7.5	6.5	+0.3	25	79	117	92	135	47	12	90	135	..	..	162	-55
69	70	81	+7	2.1	4.4	3.3	-0.7	22	2	2	4	0	4	24	4	0	S 42° W	..	83	+13		
65	64	77	+4	2.8	1.4	2.1	-2.0	23	2	2	1	0	3	16	9	0	S 59° W	..	116	+35		
63	66	77	+1	3.1	4.5	3.8	-1.3	10	2	1	0	3	3	26	15	2	S 59° W	..	116	+20		
75	76	85	+6	6.2	8.4	7.3	+1.0	7	8	2	2	2	1	15	22	3	S 84° W	..	120	+17		
75	75	84	+1	7.1	8.3	7.7	+0.5	2	10	2	0	1	1	7	27	12	N 71° W	..	166	+42		
87	84	93	+7	8.5	9.6	9.1	+1.1	1	12	1	0	0	1	9	22	14	N 68° W	..	152	+29		
84	82	91	+4	8.8	8.6	8.7	+1.0	1	14	0	0	0	0	2	31	14	N 62° W	..	155	-3		
89	86	96	+10	9.2	9.4	9.3	+1.4	2	7	0	0	0	0	3	28	22	N 66° W	..	163	+3		
81	80	90	+6	7.8	8.3	8.1	+1.0	0	16	0	0	0	0	3	25	16	N 57° W	..	172	+30		
74	75	84	-1	6.1	6.1	6.1	-1.2	4	6	1	0	0	3	3	21	24	N 65° W	..	142	+54		
78	78	87	+3	7.8	8.6	7.9	+1.2	23	1	4	1	8	2	16	4	1	S 25° W	..	79	+13		
68	77	88	+10	7.1	8.3	7.7	+2.6	27	3	3	0	2	1	13	7	6	S 33° W	..	78	+13		
77	76	86	+5	6.3	7.2	6.7	+1.2	122	83	18	8	16	19	137	215	114	..	..	128	+23

Abstract of observations taken at 10 hrs.

Station and Height of bar station above sea level in feet.	MONTH.	PRESSURE (REDUCED TO 32° F. AND STANDARD GRAVITY)					TEMPERATURE OF AIR.									TEMPERATURE WET BULB.		VAPOUR TENSION IN INCHES OF MERCURY.	
		Mean 10 hrs.	Mean 17 hrs.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Mean maximum.	Mean minimum.	Highest maximum.	Lowest minimum.	Mean 10 hrs.	Mean 17 hrs.	Mean of daily range.	Departure from normal.	Mean 10 hrs.	Mean 17 hrs.	Mean 10 hrs.	Mean 17 hrs.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
Feshawar (N.-W. F. P.) (1,164)	January . . .	28.918	28.820	-0.098	28.859	-0.03	74.1	41.9	74	36	66.4	61.5	51.1	+1.4	48.3	61.7	.221	.255	
	February . . .	.881	.800	-.081	.832	+0.14	60.9	40.8	70	33	52.3	55.1	49.5	-3.8	46.1	48.4	.232	.231
	March . . .	.801	.708	-.098	.749	+0.22	79.3	50.8	93	39	70.8	76.7	64.4	+1.1	56.1	59.0	.255	.263
	April . . .	.658	.548	-.105	.597	-0.13	91.3	63.9	100	53	83.9	88.0	77.2	+3.7	63.5	64.8	.350	.423
	May . . .	.515	.429	-.087	.470	+0.09	95.2	69.3	103	58	88.0	89.6	82.0	-2.0	66.4	67.5	.377	.395
	June . . .	.388	.291	-.097	.33	+0.33	104.8	76.6	111	67	98.9	102.2	90.3	-0.9	70.1	71.5	.392	.479
	July . . .	.318	.213	-.105	.264	-0.08	102.2	78.7	112	72	92.5	99.1	89.6	-0.7	75.3	75.1	.449	.541
	August . . .	.320	.190	-.130	.250	-0.02	102.8	83.7	109	75	93.6	101.1	92.4	+4.8	60.4	70.8	.485	.733
	September . . .	.523	.403	-.120	.455	-0.44	97.3	74.0	101	69	88.9	95.2	84.7	+2.6	72.6	73.8	.588	.648
	October . . .	.739	.635	-.104	.677	-0.13	89.7	62.8	99	51	79.9	83.3	74.9	+3.5	66.2	67.1	.464	.446
	November . . .	.869	.770	-.099	.810	-0.05	79.3	49.7	87	44	69.7	74.3	62.5	+3.4	55.7	58.4	.292	.269
	December . . .	.917	.822	-.095	.859	-0.23	71.2	41.5	80	36	60.2	64.7	54.1	+3.0	52.0	52.2	.200	.222
Year . . .	28.654	28.552	-1.02	.596	-0.11	86.5	61.1	112	33	77.8	85.7	72.7	+1.2	62.5	64.1	.473	.584		
Quetta (Baluchistan) (6,407)	January . . .	24.748	24.664	-.084	24.695	+0.24	52.2	29.0	66	22	44.1	49.1	40.4	+0.8	38.9	40.3	.162	.177	
	February . . .	.698	.642	-.056	.663	+0.08	45.1	29.2	57	19	37.9	42.1	36.9	-5.3	33.6	36.8	.143	.167
	March . . .	.748	.705	-.043	.720	+0.86	65.0	37.3	80	28	56.6	62.4	51.4	-1.2	44.4	45.9	.152	.120
	April . . .	.698	.625	-.073	.654	+0.47	77.3	48.7	85	41	69.7	73.5	63.6	+2.7	53.1	54.1	.227	.210
	May . . .	.616	.554	-.062	.578	+0.16	88.0	54.0	92	44	76.2	80.7	68.6	+0.6	58.9	55.0	.159	.136
	June . . .	.557	.489	-.068	.518	+0.68	90.7	59.3	97	51	86.8	88.6	74.2	+0.1	57.4	57.9	.187	.151
	July . . .	.448	.375	-.073	.412	+0.13	94.7	66.2	100	58	86.2	92.3	80.1	+1.8	61.5	60.0	.278	.165
	August . . .	.470	.379	-.091	.424	-0.29	98.3	67.0	103	55	88.0	96.0	82.2	+6.9	62.7	62.7	.361	.200
	September . . .	.633	.552	-.081	.586	+0.19	87.4	61.2	95	44	78.2	85.6	68.9	+1.8	53.0	54.3	.181	.161
	October . . .	.764	.684	-.080	.714	+0.17	76.4	41.2	90	25	68.9	73.9	58.8	+2.3	47.0	48.3	.176	.166
	November . . .	.792	.741	-.051	.757	+0.20	67.0	32.4	78	26	57.2	64.6	49.2	+1.2	42.0	45.1	.164	.169
	December . . .	.835	.751	-.084	.781	+0.59	55.3	26.5	67	17	46.1	53.1	40.0	-2.3	36.3	39.4	.115	.166
Year . . .	24.667	24.597	-.070	.21.625	+0.02	74.4	46.2	103	17	66.2	71.8	59.5	-0.6	48.7	50.0	.172	.187		

TABLE D-1 FOR 1931 - contd.

(local time) and 17 hrs (I. S. T.).

HUMIDITY.		CLOUD.			WIND DIRECTION.										WIND VELOCITY		
Mean 10 hrs.	Mean 17 hrs.	Mean 10 hrs.	Mean 17 hrs.	Mean of two previous columns.	Total number of 10 hrs. and 17 hrs. winds from										Mean wind direction.	Mean velocity in miles per hour.	Departure from normal.
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
52	48	7.9	6.0	6.5	29	3	3	14	7	4	1	1	0	S 77° E	26	-9	
55	47	6.8	7.2	7.0	17	11	7	6	4	2	1	1	7	N 25° E	45	-11	
37	31	4.9	5.7	5.3	25	11	3	6	8	1	3	1	4	N 47° E	43	-20	
29	24	5.5	6.9	6.2	18	7	10	9	5	1	1	3	6	N 41° E	64	-6	
29	27	5.4	6.6	6.0	11	18	7	12	5	1	0	2	6	N 32° E	61	-19	
23	19	2.2	4.8	3.5	14	11	14	3	6	0	2	5	5	N 21° E	62	-13	
44	30	3.7	4.8	4.3	9	11	17	10	7	2	2	1	3	N 53° E	62	-19	
55	36	2.7	4.7	3.7	5	16	23	11	1	3	1	0	2	N 42° E	58	-5	
48	36	2.3	4.8	3.5	9	18	15	12	1	1	1	1	2	N 37° E	48	-1	
45	40	2.7	4.1	3.4	21	12	10	2	6	1	1	3	6	N 18° E	45	+5	
37	34	4.2	5.0	4.6	32	7	2	4	9	2	2	0	2	N 89° E	34	-1	
39	38	4.1	4.6	4.5	38	3	2	2	9	2	1	0	5	S 79° E	37	-3	
41	34	4.3	5.4	4.9	228	128	113	91	68	20	16	18	48	..	49	-3	
48	48	5.6	8.7	7.1	17	4	0	4	6	15	0	6	10	S 30° W	112	+61	
64	59	6.8	8.3	7.5	9	4	5	1	8	9	4	9	7	S 53° W	112	+61	
34	21	3.5	4.5	4.0	17	5	2	1	5	6	7	11	8	S 81° W	77	+7	
38	27	5.1	6.1	5.6	17	5	0	0	3	9	2	20	4	S 79° W	96	+35	
17	15	2.7	4.7	3.7	4	4	0	0	0	7	6	30	11	N 80° W	133	+30	
16	11	1.4	2.4	1.9	5	9	2	1	0	5	4	21	13	N 69° W	119	+66	
22	12	0.7	2.9	1.8	11	5	2	5	0	9	4	19	7	S 88° W	120	+61	
22	12	2.2	3.1	2.7	12	3	3	2	3	3	2	27	7	N 83° W	115	+63	
13	7	0.7	1.5	1.1	12	6	0	0	0	3	0	29	10	N 74° W	91	+52	
16	8	0.1	0.5	0.3	19	3	0	0	1	2	0	29	8	N 79° W	87	+53	
21	15	2.9	3.6	2.8	20	4	2	1	2	4	0	19	8	N 75° W	46	+11	
37	24	3.2	3.4	3.3	10	5	0	0	8	18	0	14	5	S 39° W	96	+56	
29	22	2.3	4.1	3.5	158	57	16	15	36	90	29	234	98	..	101	+59	

Abstract of observations taken at 10 hr

1	2	PRESSURE (REDUCED TO 32°F. AND STANDARD GRAVITY.)					TEMPERATURE OF AIR.									TEMPERATURE WET BULB.				VAPOUR TENSION IN INCHES OF MERCURY.				
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Katman- du (Nepal). (4,388)	January . . .						67.0	36.6	72	29	50.8	63.1	61.1	+1.5	..	46.1	52.1	..	..	258	261	..	..
	February . . .						65.9	39.5	75	30	53.4	61.7	52.5	0	..	47.6	51.0	..	..	265	253	..	..
	March . . .						76.9	45.6	88	38	66.6	73.4	61.6	+0.8	..	54.3	58.9	..	..	273	331	..	..
	April . . .						88.9	53.5	94	46	77.0	84.9	71.8	+4.7	..	62.0	(e) 64.5	..	..	381	(e) 378	..	..
	May . . .						85.1	60.5	93	53	77.5	81.0	72.9	+2.1	..	65.1	64.8	..	..	471	497	..	..
	June . . .						88.0	65.1	94	59	80.9	85.1	75.7	+1.8	..	69.1	70.6	..	..	567	588	..	..
	July . . .						83.1	68.4	87	65	77.3	78.4	75.3	+0.2	..	71.1	72.5	..	..	637	740	..	..
	August . . .						86.2	69.3	90	66	79.4	82.0	77.2	+2.7	..	73.0	75.3	..	..	734	790	..	..
	September . . .						81.9	66.7	88	65	75.3	77.8	73.9	+0.7	..	69.6	71.9	..	..	668	713	..	..
	October . . .						82.7	60.2	88	52	70.8	79.2	71.5	+4.6	..	64.9	69.4	..	..	546	591	..	..
	November . . .						74.7	47.8	85	41	57.4	69.7	60.8	+3.0	..	53.6	59.9	..	..	371	401	..	..
	December . . .						67.8	39.0	73	33	48.7	63.9	52.5	-0.1	..	46.3	53.9	..	..	281	302	..	..
Year . . .						79.0	54.3	94	29	67.9	75.0	66.4	+1.8	..	60.2	63.9	..	..	459	487	..	..
Seyche- lles Indian Ocean). (15).	January . . .	29.881	29.799	.082	29.851	+003	83.9	73.7	86	71	81.6	81.3	77.6	-0.9	72.8	76.8	76.8	76.4	76.4	858	865	858	+025	
	February . . .	.882	.787	.095	.842	-010	84.6	75.5	87	72	82.2	82.0	79.0	-0.1	74.1	78.0	77.9	76.4	76.4	908	903	898	+056
	March . . .	.899	.804	.095	.857	+029	85.1	76.0	87	73	83.6	83.8	79.5	+0.6	74.6	77.6	78.0	76.4	76.4	876	876	893	+032
	April . . .	(c) .880	.798	.082	(c) .842	+013	(e) 87.9	(c) 75.7	90	74	(c) 86.1	85.6	(c) 80.5	+1.1	(c) 74.3	(c) 78.7	78.6	77.4	77.4	(c) 837	894	(e) 891	+028	
	May . . .	.884	.802	.082	.844	-020	86.6	77.1	88	71	84.7	85.5	80.5	+1.0	75.1	78.9	78.9	77.4	77.4	908	901	896	+050
	June . . .	.908	.838	.070	.875	+005	83.2	75.1	85	71	81.8	81.9	78.0	+0.4	73.0	76.3	76.4	76.4	76.4	821	821	824	+043
	July . . .	.899	.828	.071	.865	-051	82.0	74.5	83	71	80.5	81.1	77.0	+0.6	71.8	75.5	75.1	74.4	74.4	799	785	793	+042
	August . . .	.933	.851	.082	.895	-001	81.2	73.5	83	71	79.3	79.8	75.8	-0.8	70.5	73.3	73.7	73.7	73.7	717	729	757	-005
	September . . .	.924	.842	.082	.891	-012	82.8	75.6	84	72	81.3	81.6	77.9	+0.2	72.1	75.5	75.6	75.6	75.6	735	815	786	+019
	October . . .	.941	.852	.089	.907	+029	88.9	75.0	85	71	81.9	82.4	78.1	+0.4	72.7	76.1	76.3	76.3	76.3	778	815	815	+021
	November . . .	.886	.797	.089	.855	-010	84.9	72.7	87	70	82.5	82.5	77.4	-0.2	71.6	75.6	75.9	75.9	75.9	731	808	813	-018
	December . . .	.896	.804	.092	.860	+001	82.1	72.4	86	70	79.4	79.4	76.2	-1.7	71.9	75.7	(g) 75.7	75.7	75.7	(g) 742	(g) 842	847	+013
Year . . .	29.901	29.817	.084	29.865	-002	84.0	74.7	90	70	82.1	82.2	78.1	0	72.9	76.5	76.6	75.6	75.6	75.6	840	883	883	+026	

(c) Mean of 29 days.

(g) Mean of 25 days.

TABLE D-I FOR 1931—concl'd.

and 16 hrs. (local time).

HUMIDITY.					CLOUD.				WIND DIRECTION.										Wind velocity.		Rainfall.		Rainy days.		
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Total number of 10 hrs. and 16 hrs. winds from										Mean wind direction.	Normal mean wind direction.	Mean velocity in miles per diem.	Departure from normal.	Rainfall.	Departure from normal.	Actual.
25	26	27	28	29	30	31	32	33	Calm.	N.	NE.	E.	SE.	S.	SW.	W.	NW.	43	44	45	46	47	48	49	
..	71	45	..	..	(g) 2.5	1.8	(7) 2.7	-0.7	0	30	3	2	1	1	5	9	11	N 24° W	N 78° W	22	+7	0	-0.99	0
..	64	46	..	..	5.6	5.2	5.4	+1.9	0	15	3	10	2	2	1	11	12	N 18° W	N 87° W	29	+8	1.75	+0.39	5
..	42	40	..	..	3.0	3.9	3.5	+0.2	0	8	1	17	1	4	3	20	8	N 52° W	N 82° W	24	+1	0.68	-0.41	3
..	41	(c) 31	..	..	0.8	3.8	2.3	-1.7	0	5	0	14	2	2	1	27	9	N 69° W	N 87° W	28	+2	1.69	-0.25	3
..	50	47	..	..	4.3	5.6	4.9	-0.3	0	17	5	11	1	1	0	19	8	N 21° W	S 89° W	37	+6	6.40	+2.39	8
..	54	48	..	..	4.2	5.6	4.9	-1.3	0	15	5	10	1	4	2	13	10	N 20° W	N 87° W	26	+3	7.96	-1.26	11
..	74	75	..	..	8.6	7.7	8.1	+1.3	0	16	6	18	5	3	1	8	5	N 39° E	S 63° W	21	+6	13.16	-1.75	23
..	73	74	..	..	7.7	7.5	7.6	+0.5	0	24	3	15	5	1	2	10	2	N 20° E	N 66° W	18	+5	17.82	+3.16	21
..	76	75	..	..	8.1	6.8	7.5	+1.2	0	19	0	17	0	7	1	11	5	N 7° E	N 87° W	20	+8	6.85	-0.50	15
..	72	60	..	..	(b) 3.6	3.8	(b) 3.7	+0.3	0	16	0	15	1	7	0	15	8	N 20° W	S 86° W	17	+5	3.47	+1.18	3
..	77	55	..	..	(g) 3.8	4.2	(g) 4.2	+1.6	0	15	1	13	1	2	0	19	9	N 29° W	N 81° W	20	+10	0.24	+0.09	1
..	83	51	..	..	..	3.0	..	..	1	12	2	12	2	2	0	14	17	N 27° W	N 72° W	23	+7	0	-0.31	0
..	65	54	..	..	4.7*	4.9	5.0*	+0.5	1	192	29	154	22	36	16	176	104	..	..	24	+6	60.02	+2.24	91
96	79	81	88	+4	7.3	7.2	7.3	+0.3	6	6	3	6	1	1	1	9	29	N 39° W	N 39° W	134	+27	11.16	-5.93	16	
98	83	83	89	+6	6.1	7.7	6.9	+0.4	4	13	12	4	2	1	1	6	13	N 4° W	N 21° W	83	-24	18.68	+6.03	14	
98	75	75	85	+2	6.2	5.8	6.0	-0.7	3	13	8	2	0	0	0	9	27	N 28° W	N 17° W	115	+29	1.60	-8.31	5	
(c) 98	(c) 70	72	(c) 81	+1	(c) 5.1	4.8	(c) 5.0	-0.1	9	3	7	20	13	2	1	1	3	(z) S 87° E	N 8° E	77	-5	2.52	-4.33	3	
91	76	74	82	+2	5.1	4.6	4.9	-0.2	0	0	1	32	25	4	0	0	0	S 67° E	S 43° E	133	+63	9.66	+3.59	10	
90	77	77	83	+4	7.1	7.3	7.2	+0.1	0	0	1	14	30	10	5	0	0	S 43° E	S 27° E	245	+57	4.31	-0.49	9	
88	78	74	81	+3	6.3	6.0	6.1	+0.5	0	0	0	29	30	2	1	0	0	S 64° E	S 33° E	274	+63	2.22	-0.19	5	
86	74	74	79	+1	5.7	5.7	5.7	-0.7	0	0	0	21	33	8	0	0	0	S 55° E	S 35° E	299	+68	1.36	-1.20	4	
84	74	75	80	0	5.2	5.2	5.2	-0.4	0	0	0	20	30	8	2	0	0	S 52° E	S 40° E	276	+66	0.14	-4.72	0	
86	75	75	81	0	6.2	5.4	5.8	-0.4	5	1	0	16	23	10	6	0	1	S 43° E	S 30° E	194	+55	8.41	+3.63	6	
95	71	73	83	0	5.4	5.4	5.4	-1.5	20	2	4	6	10	5	2	2	9	S 70° E	S 56° E	81	-12	5.78	-4.63	3	
97	84	(g) 82	90	+7	8.5	8.6	8.6	+1.3	11	4	2	2	3	0	1	4	35	N 41° W	N 44° W	128	+19	33.21	+13.77	26	
91	76	76	83	+2	6.2	6.1	6.2	0	58	42	33	172	200	51	20	31	117	..	..	174	+34	99.05	+1.77	111

(b) Mean of 30 days. (g) Mean of 25 days. (7) Mean of 15 days. * Mean of 11 months. (z) Mean of 29 days. (ø) 1 Wind less. D

Table D-2.—Abstract of observations taken at 4 hrs. and 14 hrs. (G.M. T.) at 15 Stations in Persia and the adjoining areas in the year 1931.

MONTHLY AND ANNUAL

Abstract of observations taken at 4 and 14 hrs. (G. M. T.)

Station and Height of bar-tavern above sea-level in feet.	Month.	PRESSURE (REDUCED TO 32° F. AND STANDARD GRAVITY).		TEMPERATURE OF AIR.						TEMPERATURE WET BULB.		VAPOUR-TENSION IN INCHES OF MERCURY.		HUM.		
		Mean 4 hrs.	Mean 14 hrs.	Mean maximum.	Mean minimum.	Highest maximum.	Date.	Lowest minimum.	Date.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.		Mean 4 hrs.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Balrein (8)	January . .	30-051	30-019	69-6	59-3	82-0	18th	48-3	25th	61-2	65-5	59-3	61-0	-485	-483	89
	February . .	-012	29-972	67-5	59-6	80-1	26th	52-7	3rd	61-0	64-5	59-2	62-1	-487	-531	90
	March . .	29-987	-956	75-5	63-7	93-0	20th	53-3	10th	66-5	70-4	64-9	67-9	-596	-650	91
	April . .	-865	-827	82-1	70-3	97-8	28th	64-8	2nd	73-7	77-3	71-3	72-7	-724	-750	89
	May . .	-780	-740	90-1	78-2	103-8	26th	73-2	6th	82-6	85-5	76-1	77-8	-803	-852	73
	June . .	-623	-586	96-6	83-5	100-3	29th	76-0	21st	89-0	92-9	81-1	82-3	-954	-948	73
	July . .	-467	-428	101-4	85-5	110-0	12th	77-9	1st	91-9	95-8	81-7	84-1	-955	1-007	64
	August . .	-466	-424	100-3	84-7	108-0	29th	78-3	29th	90-1	95-1	80-8	84-3	-925	1-028	66
	September . .	-676	-633	98-1	88-2	103-8	4th	78-1	23rd	88-5	93-3	81-5	84-0	-979	1-037	73
	October . .	-903	-866	87-4	74-7	94-1	2nd	66-3	29th	79-1	83-0	73-5	75-8	-750	-794	76
	November . .	30-031	-980	80-6	68-8	85-4	22nd	68-5	19th	71-7	76-3	69-1	71-6	-674	-707	86
	December . .	-136	30-098	69-2	57-0	87-6	6th	47-9	27th	59-4	64-8	55-7	60-4	-891	-467	79
Year . .	29-833	29-794	84-9	72-4	110-0	12th July	47-9	27th Dec.	76-2	80-4	71-2	73-7	-727	-721	79	
Bushire (14)	January . .	30-047	30-012	66-5	55-1	79-3	2nd	42-8	23rd	57-4	64-2	54-7	59-7	-401	-462	83
	February . .	-023	29-975	65-0	54-3	76-5	26th	45-0	2nd	56-9	63-4	54-5	59-3	-394	-454	84
	March . .	29-995	-963	73-0	60-6	89-9	27th and 29th	52-0	9th	66-8	70-1	59-6	64-2	-421	-515	70
	April . .	-867	-830	(c) 81-0	63-3	92-7	29th	60-0	1st	72-4	77-1	66-4	70-2	-558	-639	71
	May . .	-764	-705	87-8	75-8	99-7	7th	69-4	20th	80-4	84-4	71-7	74-9	-669	-742	64
	June . .	-591	-544	92-5	81-5	104-3	14th	74-0	21st	86-6	90-4	77-1	80-5	-801	-924	65
	July . .	-420	-378	94-6	84-6	99-1	25th	79-8	11th	88-8	93-3	81-4	84-9	-969	1-083	72
	August . .	-422	-380	95-4	84-3	102-9	19th	81-0	14th and 30th	89-1	93-4	80-9	84-9	-943	1-086	69
	September . .	-654	(c) -601	(c) 95-2	81-3	104-0	7th	75-0	26th	85-9	(c) 91-9	79-3	(c) 85-5	-917	(c) 1-133	74
	October . .	-872	(b) -824	(b) 85-0	70-1	91-1	2nd	64-0	28th	74-8	(b) 83-2	68-3	(b) 76-3	-607	(b) -816	70
	November . .	30-003	(c) -962	(c) 77-5	63-6	85-7	3rd	54-0	30th	67-4	(c) 74-9	60-5	(c) 67-9	-436	(c) -579	65
	December . .	(c) -104	(c) 30-053	(c) 66-7	(c) 52-8	80-9	5th	37-0	26th	(c) 55-5	(c) 68-6	(c) 51-1	(c) 57-8	(c) -318	(c) -407	(c) 73
Year . .	29-814	29-769	81-8	69-3	104-9	7th Sept.	37-0	26th Dec.	73-5	79-1	67-1	72-2	-619	-737	71	

(b) Mean of 30 days.

(c) Mean of 29 days.

TABLE D-2 FOR 1931.

at 15 stations in Persia, etc.

STATION	CLOUD.			WIND DIRECTION.																	WIND VELOCITY.	RAINFALL.						
	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	Total number of 4 hrs. winds from										Mean wind direction at 4 hrs.	Total number of 14 hrs. winds from							Mean wind direction at 14 hrs.	Mean daily velocity in miles per hr.	Total rainfall.	Number of rainy days.	Heaviest rainfall.	Date.	
				Calm.	N	NE	E	SE	S	SW	W	NW	Calm.		N	NE	E	SE	S	SW								W	NW
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	
76	3-3	3-6	4	2	1	1	5	1	1	9	7	N 76° W	0	10	1	4	7	0	0	1	8	N 16° E	9-7	1-24	1	1-17	6th	
87	6-3	6-0	3	11	0	1	2	2	1	4	4	N 28° W	2	13	2	3	2	0	0	0	6	N 5° E	9-7	2-73	7	1-02	9th	
87	3-4	2-5	7	9	1	1	5	0	1	1	6	N 4° W	0	16	4	7	2	0	0	0	2	N 23° E	11-0	0	0	0	..	
79	7-3	5-8	3	12	3	3	0	4	0	2	3	N 5° E	0	14	6	7	1	0	0	0	2	N 29° E	9-4	0-53	2	0-25	14th	
69	3-6	2-4	2	12	2	0	1	0	2	4	8	N 28° W	0	15	5	3	2	0	0	0	6	N 10° E	9-8	0	0	0	..	
62	0	0-2	4	5	1	0	0	0	1	11	8	N 57° W	0	16	8	2	0	0	0	0	4	N 11° E	10-2	0	0	0	..	
60	0-7	0-3	1	3	0	0	0	0	6	13	8	N 79° W	0	18	8	0	0	0	0	0	5	N 4° E	9-5	0	0	0	..	
68	0-3	0-3	2	2	0	0	0	0	7	12	8	S 83° W	0	16	6	3	1	0	0	0	5	N 11° E	9-7	0	0	0	..	
67	0-5	0	5	3	1	0	4	2	2	9	4	N 68° W	2	15	5	7	0	0	0	0	1	N 27° E	7-9	0	0	0	..	
71	0-5	0-5	1	5	1	0	0	0	3	10	11	N 57° W	0	16	6	1	0	0	0	0	8	N 1° W	10-7	0	0	0	..	
78	3-3	3-1	8	5	1	0	2	1	3	4	6	N 57° W	1	15	2	7	4	0	0	0	1	N 36° E	9-9	0	0	0	..	
77	2-1	2-3	0	3	0	0	3	2	3	15	5	N 89° W	0	9	1	1	4	0	0	2	14	N 24° W	(c) 11-8	0-05	0	0-04	28th	
73	2-6	2-3	40	72	11	6	22	12	30	84	78	..	5	173	54	45	23	0	0	3	62	..	9-9	4-55	10	1-17	6th Jan.	
75	4-5	3-3	2	8	12	4	3	0	0	1	1	N 30° E	1	5	1	1	7	0	0	1	15	N 23° W	5-3	3-35	3	1-02	6th	
77	4-1	4-5	3	6	6	7	3	0	0	0	3	N 48° E	2	0	1	1	5	1	0	0	18	N 42° W	4-6	3-45	5	1-05	13th	
74	2-0	1-9	5	6	5	7	3	1	0	0	4	N 47° E	1	0	0	0	4	3	3	2	18	S 73° W	7-8	0	0	0	..	
71	3-1	3-7	3	4	3	3	4	0	2	3	8	N 15° W	0	1	2	0	3	1	4	6	13	N 69° W	6-0	0-12	1	0-13	22nd	
63	0-9	0-8	0	8	5	2	3	0	0	3	10	N 16° W	0	0	1	0	4	0	4	7	19	N 63° W	7-5	0	0	0	..	
65	0	0	4	3	5	0	1	0	0	2	15	N 27° W	0	0	0	0	1	0	2	8	19	N 61° W	7-2	0	0	0	..	
69	0	0	7	2	3	2	1	0	3	1	12	N 35° W	0	0	0	0	0	0	12	7	12	W	6-1	0	0	0	..	
69	0	0	2	0	4	7	2	0	1	0	15	N	0	0	0	0	0	0	6	15	10	N 84° W	6-2	0	0	0	..	
(c) 75	0	(c) 0	3	2	8	5	4	0	1	0	7	N 41° E	0	0	0	0	0	2	5	7	15	(c) N 77° W	4-7	0	0	0	..	
(b) 72	0	(b) 0	4	8	9	5	2	0	0	0	3	N 35° E	0	0	0	0	0	0	1	5	24	(b) N 53° W	5-2	0	0	0	..	
(c) 68	6-6	(c) 3-5	2	6	11	6	2	0	0	0	3	N 42° E	0	1	2	0	3	1	1	2	19	(c) N 46° W	(c) 8-3	0-10	1	0-10	27th	
(e) 68	(e) 1-8	(f) 2-2	0	8	13	3	3	0	0	0	2	N 36° E	0	3	0	0	0	2	1	1	20	(e) N 44° W	(e) 10-5	0-08	0	0-08	8th	
71	1-7	1-7	35	61	84	51	31	1	7	10	83	..	4	10	7	2	23	10	39	61	202	..	7-5	7-10	15	1-01	13th Feb.	

(c) Mean of 27 days.

(f) Mean of 26 days.

MONTHLY AND ANNUAL

Abstract of observations taken at 4 and 14 hrs. (G. M. T)

Station and height of barometer above sea-level in feet.	MONTH.	PRESSURE (REDUCED TO 32° F. AND STANDARD GRAVITY.)		TEMPERATURE OF AIR.						TEMPERATURE WET BULB.		VAPOUR-TENSION IN INCHES OF MERCURY.		Mean 4 hrs.		
		Mean 4 hrs.	Mean 14 hrs.	Mean maximum.	Mean minimum.	Highest maximum.	Date.	Lowest minimum.	Date.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Henjan (100)	January . .	29.930	29.874	72.1	62.2	78.7	19th	54.6	23rd	63.7	68.4	59.5	61.8	.459	.469	77
	February . .	.914	.856	69.8	60.5	75.7	27th	54.0	24th	62.8	66.8	58.8	59.0	.451	.427	78
	March . . .	.878	.807	75.9	66.8	93.2	30th	60.0	2nd and 17th	69.7	73.9	65.8	66.8	.584	.549	80
	April . . .	.741	.680	87.4	70.7	95.6	12th	70.0	2nd	78.3	80.7	71.3	71.6	.663	.632	70
	May . . . .	.618	.540	90.8	77.7	102.0	18th	68.6	8th	82.8	85.4	76.5	76.3	.843	.778	74
	June . . . .	.487	.401	97.1	82.0	104.0	22nd and 26th	79.0	1st, 8th and 18th	86.4	89.9	80.8	81.1	.977	.936	77
	July . . . .	.353	.262	96.9	84.8	103.4	27th	68.1	12th	89.2	92.2	84.5	83.7	1.120	1.045	81
	August . . .	.355	.270	98.0	87.1	102.2	21st	83.1	3rd	91.5	92.9	85.3	84.2	1.127	1.048	77
	September .	.584	.506	96.5	84.6	101.2	4th	82.3	21st and 30th	90.4	90.9	83.5	83.4	1.053	1.043	75
	October . .	(b) .782	.706	90.1	(b) 78.9	94.6	4th	76.4	31st	(b) 84.1	85.2	(b) 75.1	78.9	(b) .745	.800	(b) 65
	November . .	.920	.845	88.7	70.6	87.7	4th	68.5	4th	74.9	78.8	70.7	70.0	.688	.621	79
	December . .	(b) .991	.914	75.8	(b) 62.4	88.2	1st	54.7	10th	(b) 66.1	70.9	(b) 58.8	60.5	(b) .403	.387	(b) 62
Year	29.712	29.639	86.4	74.0	104.0	22nd and 26th June.	54.0	4th Feb.	78.8	81.3	72.5	72.0	.759	.730	75	
Nank (13)	January . .	30.018	29.960	75.1	62.1	79.0	19th	55.9	29th	65.2	70.7	61.1	63.8	.491	.511	77
	February . .	.003	(c) .964	(d) 71.7	60.9	77.3	28th	81.4	24th	63.7	67.7	(e) 58.7	(e) 61.7	.437	(e) .472	72
	March . . .	29.942	.886	80.8	66.9	90.7	31st	68.0	5th	71.2	76.7	66.3	70.4	.575	.648	77
	April . . . .	.623	.758	88.3	74.9	98.7	5th	68.5	2nd	80.1	84.4	75.1	78.6	.803	.911	79
	May . . . .	.689	.626	92.0	78.2	98.4	18th	78.3	15th	83.7	88.7	77.9	80.9	.940	.950	76
	June . . . .	.562	.496	96.4	82.7	106.4	24th	77.9	14th	88.8	92.5	78.7	83.2	.863	1.004	66
	July . . . .	.437	.370	98.5	85.9	107.0	1st	81.5	4th	89.8	94.4	83.4	84.7	1.053	1.060	76
	August . . .	.461	.377	96.1	85.9	104.2	18th	82.9	27th and 31st	88.7	93.0	83.5	84.3	1.055	1.045	80
	September .	.679	.613	96.4	82.9	103.4	20th	78.2	25th	86.5	92.3	79.4	83.0	.911	1.001	73
	October . .	.849	.794	91.2	76.5	95.0	12th	66.3	31st	80.5	85.6	75.8	79.8	.817	.924	81
	November . .	30.013	.945	85.0	73.8	87.2	3rd	63.6	7th	73.3	79.5	69.5	75.7	.666	.830	80
	December . .	.061	.995	78.2	62.9	85.9	1st	57.3	10th	64.0	73.0	60.3	64.5	.437	.492	68
Year	29.795	29.731	87.5	74.4	107.0	1st July	51.4	24th Feb.	78.1	83.2	72.5	75.9	.754	.821	75	

(b) Mean of 30 days. (c) Mean of 29 days. (e) Mean of 27 days. (d) Mean of 28 days.
N.B.—Elevations in italics indicate barometric determinations.

TABLE D-2 FOR 1931—contd.

15 stations in Persia, etc.—contd.

DAY.	CLOUD.		WIND DIRECTION.																	WIND VELOCITY.	RAINFALL.						
	Mean 14 hrs.	Mean 4 hrs.	Total number of 4 hrs. winds from										Mean wind direction at 4 hrs.	Total number of 14 hrs. winds from							Mean wind direction at 14 hrs.	Mean daily velocity in miles per hr.	Total rainfall.	Number of rainy days.	Heaviest rainfall.	Date.	
			Calm.	N	NE	E	SE	S	SW	W	NW	30		Calm.	N	NE	E	SE	S	SW							W	NW	40	41	42	43	44	45
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
67	3.8	2.8	0	15	5	2	0	1	4	2	2	N 2° W	0	0	3	2	1	1	18	3	3	S 52° W	6.9	2.71	3	1.57	6th
66	5.8	5.8	1	7	14	1	1	0	2	0	2	N 28° E	3	1	10	2	3	0	8	1	0	S 86° E	9.0	2.71	4	1.15	6th
68	1.5	1.6	7	4	11	0	1	0	7	0	1	N 20° E	1	0	3	0	2	0	24	1	0	S 42° W	6.0	0.81	2	0.49	5th
64	3.7	5.4	3	1	3	1	1	0	16	0	0	S 40° W	2	0	0	0	0	1	26	0	1	S 47° W	8.2	0	0	0	..
65	1.2	1.5	5	1	0	3	1	0	21	0	0	S 37° W	0	0	0	0	1	0	30	0	0	S 43° W	9.8	0	0	0	..
68	0.6	0.3	8	2	4	0	0	0	13	1	2	S 75° W	1	0	0	0	0	0	29	0	0	S 45° W	8.1	0	0	0	..
70	3.0	1.3	7	1	5	3	0	0	9	5	1	S 79° W	1	0	0	5	1	1	17	6	0	S 42° W	7.8	0	0	0	..
69	2.3	1.7	6	0	7	5	2	1	4	4	2	N 70° E	1	0	1	2	2	1	19	5	0	S 43° W	6.7	0	0	0	..
72	2.0	1.6	2	1	10	8	1	1	2	2	3	N 56° E	1	1	0	0	4	0	12	12	0	S 60° W	6.5	0	0	0	..
67	(b) 1.1	0.6	3	4	14	3	0	0	2	2	2	(b) N 30° E	1	0	4	5	1	0	12	8	0	(c) S 51° W	7.2	0	0	0	..
64	2.3	1.0	1	14	14	0	0	0	0	0	1	N 20° E	2	0	1	1	2	2	12	10	0	S 54° W	4.2	0	0	0	..
51	(b) 1.7	1.3	3	1	1	1	0	0	1	2	5	(b) N 3° W	6	1	1	2	1	0	12	8	0	(c) S 60° W	5.3	0	0	0	..
66	2.4	2.0	51	62	98	27	7	1	18	21	..	..	19	3	23	19	18	6	219	54	4	..	7.3	6.23	9	1.57	6th Jan.
67	4.5	4.1	1	7	11	9	1	0	0	0	2	N 46° E	1	1	1	6	3	6	8	5	5	S 57° W	8.5	0.77	2	0.56	7th
(a) 70	6.8	(c) 5.0	0	8	9	8	0	0	0	1	2	N 37° E	1	1	2	5	0	0	0	2	3	(e) S 37° E	10.0	4.13	8	1.34	9th
72	1.7	2.5	3	4	3	10	0	0	0	7	4	N 14° E	0	3	0	2	2	4	7	7	..	..	1.46	2	1.17	2nd	
77	2.5	4.1	4	8	2	5	0	0	1	6	9	N 33° W	0	0	0	1	1	2	5	11	10	N 88° W	..	..	0	0	..
71	0.9	1.8	0	2	1	5	2	1	2	10	8	N 66° W	0	0	0	1	1	3	5	13	8	S 86° W	8.6	0	0	0	..
68	0.2	0.6	1	6	1	13	1	0	0	4	4	N 41° E	1	0	1	0	1	3	7	12	5	S 77° W	7.8	0	0	0	..
67	2.1	2.4	0	0	1	17	2	0	0	5	6	N 71° E	0	1	0	2	7	8	4	8	1	S 18° W	9.7	0	0	0	..
70	4.2	2.5	2	1	1	18	4	0	1	1	3	N 89° E	2	0	0	1	8	8	4	7	1	S 14° W	9.1	0	0	0	..
67	0.7	2.2	2	4	5	16	1	0	0	0	2	N 66° E	1	0	0	0	6	6	6	8	3	S 39° W	7.8	0	0	0	..
76	0.3	0.6	9	3	8	9	1	0	0	0	1	N 60° E	0	0	0	0	4	6	7	12	2	S 52° W	7.8	0	0	0	..
68	1.5	1.3	2	10	10	5	0	0	0	1	2	N 28° E	0	0	0	0	2	9	5	10	4	S 53° W	6.4	0	0	0	..
61	1.0	1.0	1	8	9	6	0	0	0	3	4	N 21° E	1	1	9	0	1	5	7	11	5	S 75° W	9.7	0	0	0	..
71	2.1	2.4	25	56	61	121	12	1	4	33	47	..	7	7	3	18	45	61	66	109	53	..	6.36	12	1.34	9th Feb.	

Abstract of observations taken at 4 and 14 hrs. (G. M. T)

Station and Height of barometer above sea level in feet.	MONTH.	PRESSURE. (REDUCED TO 32° F. AND STANDARD GRAVITY.)		TEMPERATURE OF AIR.								TEMPERATURE WET BULB.		VAPOUR TENSION IN INCHES OF MERCURY.		HUMIDITY
		Mean 4 hrs.	Mean 14 hrs.	Mean maximum.	Mean minimum.	Highest maximum.	Date.	Lowest minimum.	Date.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Baital Falaj (Muscat) (72)	January . . .	29.971	29.917	78.3	61.3	91.7	19th	55.2	10th	65.4	72.8	59.8	64.5	.442	.495	72
	February . . .	.935	.889	75.3	63.7	89.3	13th	57.1	17th	66.6	71.5	62.1	64.3	.500	.512	77
	March . . .	.907	.851	86.0	67.7	104.2	31st	61.1	4th	74.6	80.9	65.9	67.0	.521	.473	63
	April . . .	.782	.733	96.5	76.7	103.1	30th	69.7	17th & 27th	86.8	90.8	70.1	70.3	.506	.456	41
	May . . .	.649	.594	103.0	84.8	111.3	18th	74.9	14th	95.8	97.9	71.9	73.0	.466	.474	29
	June . . .	.518	.455	105.9	84.8	113.4	15th	76.6	4th	96.5	101.1	77.4	74.3	.679	.481	43
	July . . .	.390	.321	105.7	88.2	114.9	2nd	82.7	27th	95.5	100.1	79.8	79.3	.809	.705	51
	August . . .	.404	.328	103.9	85.0	109.9	20th	80.9	30th	90.0	94.8	80.4	80.9	.910	.869	66
	September . . .	.624	.565	99.9	81.2	105.9	24th	75.0	23rd	83.7	93.3	78.5	77.7	.850	.743	63
	October . . .	.808	.751	93.7	75.4	106.7	9th	60.3	31st	83.8	87.3	73.7	75.8	.689	.726	61
	November . . .	.948	.889	85.3	65.8	88.2	4th	57.7	2nd	73.1	80.5	64.1	70.3	.475	.595	58
	December . . .	30.005	.946	79.1	61.7	87.0	3rd & 5th	52.6	14th	65.9	74.3	61.7	64.7	.406	.483	65
Year . . .	29.745	29.687	92.7	74.7	114.9	2nd July.	52.6	14th Dec.		87.1	70.2	71.9	.604	.584	57	
Charbar (25)	January . . .	30.026	(c) 29.959	(c) 74.3	61.3	81.0	17th	51.0	10th	65.5	(c) 70.9	62.1	(c) 65.1	.494	(c) .537	76
	February . . .	.011	(m) .964	(m) 73.1	(k) 67.0	93.0	30th & 31st	49.0	24th	61.2	(m) 67.8	59.3	(m) 62.5	.427	(m) .595	73
	March . . .	(k) 29.959	(m) .752	(c) 90.0	74.3	95.0	14th & 15th	61.2	11th	(k) 74.0	(m) 77.7	(k) 68.9	(m) 73.2	(k) .638	(m) .751	(k) 75
	April . . .							69.0	2nd	81.0	(c) 83.4	76.6	(e) 78.2	.866	(c) .836	80
	May . . .	.693	.645	92.7	77.0	99.0	19th	70.0	16th	85.0	86.0	77.7	79.7	.850	.937	72
	June . . .	.564	(c) .482	(b) 94.4	82.5	101.0	14th	79.0	1st & 27th	89.0	(c) 89.9	82.8	(c) 86.2	1.041	(c) 1.140	76
	July . . .	.421	.338	93.9	84.5	102.0	3rd	80.0	17th	88.1	89.4	81.6	84.3	.999	1.095	74
	August . . .	.436	(b) .358	90.5	82.1	97.8	19th	79.0	2nd	85.7	(b) 86.5	80.7	(b) 82.1	.971	(b) 1.033	79
	September . . .	.654	(d) .580	(b) 89.5	78.5	92.0	11th	70.0	28th	84.0	(d) 84.5	79.8	(d) 81.7	.965	(d) 1.036	82
	October . . .	.820	(e) .756	87.7	72.5	99.0	15th	59.5	30th	79.5	(e) 82.8	74.5	(e) 78.0	.785	(e) .893	75
	November . . .	.951	(d) .876	(b) 83.2	66.3	94.0	4th	60.0	16th	73.5	(g) 77.3	69.4	(d) 78.6	.666	(d) .773	80
	December . . .	30.002	.932	77.8	60.2	83.0	8th	52.0	12th	66.0	72.6	61.6	66.5	.406	.569	75
Year . . .	29.778	29.718	85.7	72.1	102.0	3rd July	49.0	24th Feb.	77.9	80.7	72.9	75.9	.759	.854	77	

(b) Mean of 30 days.

(c) Mean of 29 days.

(d) Mean of 28 days.

(k) Mean of 21 days.

TABLE D-2 FOR 1931—contd.

at 15 stations in Persia, etc.

DRT.	CLOUD.			WIND DIRECTION.																	WIND VELOCITY.	RAINFALL.						
	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	Total number of 4 hrs. winds from											Mean wind direction at 4 hrs.	Total number of 14 hrs. winds from						Mean wind direction at 14 hrs.	Mean daily velocity in miles per hr.	Total rainfall.	Number of rainy days.	Highest rainfall.	Date.	
				Calm.	N	NE	E	SE	S	SW	W	NW	Calm.	N		NE	E	SE	S	SW								W	NW
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	
59	1.7	1.3	20	0	0	1	1	4	0	3	2	S 39° W	0	8	2	12	1	0	0	3	5	N 32° E	4.9	0.65	2	0.55	7th	
66	5.7	5.3	12	0	0	2	1	7	2	3	1	S 16° W	0	10	1	9	2	3	0	3	0	N 52° E	5.7	3.39	8	1.14	16th	
48	2.3	1.2	15	3	0	0	0	3	0	9	1	N 86° W	1	8	2	10	0	1	0	4	5	N 18° E	4.7	0.26	1	0.26	2nd	
33	1.5	3.7	18	1	1	0	1	3	0	6	0	S 68° W	3	12	1	9	0	3	0	1	1	N 41° E	4.9	0.22	1	0.13	25th	
27	0.8	1.2	1	4	0	0	1	7	0	17	1	S 80° W	0	11	0	1	1	1	0	13	4	N 49° W	5.5	0	0	0	..	
26	0.3	0.2	11	4	1	2	0	3	1	4	4	N 52° W	0	15	0	7	0	0	0	3	5	N 2° E	5.0	0	0	0	..	
40	0.8	1.7	8	6	4	1	0	3	0	8	1	N 53° W	1	15	3	3	1	2	0	4	2	N 1° E	5.4	0	0	0	..	
54	2.1	1.5	9	7	2	4	3	3	0	3	0	N 36° E	1	14	6	6	0	0	0	3	1	N 71° E	5.2	0	0	0	..	
48	0.8	0.6	13	5	1	1	0	4	0	6	0	N 68° W	1	12	4	3	0	2	0	0	3	N 30° E	4.4	0	0	0	..	
57	1.4	0.3	22	0	4	1	0	2	0	1	1	N 54° E	0	10	5	11	0	0	0	0	5	N 33° E	4.1	0	0	0	..	
58	0.3	1.1	27	0	0	0	1	0	0	2	0	S 62° W	0	5	3	18	1	0	0	1	2	N 67° E	3.8	0.05	0	0.05	19th	
57	1.3	0.8	25	1	0	0	0	0	1	3	1	N 77° W	0	10	6	5	1	0	0	0	9	N 10° E	4.6	0	0	0	..	
48	1.6	1.6	181	31	13	12	8	39	4	65	12	..	7	130	33	99	7	12	0	35	42	..	4.9	4.57	12	1.14	16th Feb.	
(c) 70	1.5	(e) 1.0	11	1	2	6	1	0	0	0	3	N 52° E	10	2	1	1	3	2	3	1	6	(c) N 79° W	7.4	2.55	1	2.55	7th	
(m) 74	3.6	(k) 3.8	19	0	6	3	0	0	0	0	0	N 60° E	18	0	2	1	0	0	0	0	0	(k) N 60° E	9.0	1.03	4	0.45	20th	
(m) 80	0.1	(m) 0.5	18	0	0	0	0	0	0	0	3	(k) N 45° W	11	0	0	0	0	1	2	3	2	(m) S 80° W	(e) 14.4	0	0	0	..	
(c) 78	0.6	(e) 0	23	0	0	0	0	2	1	2	2	S 72° W	6	0	0	0	1	0	7	10	5	(e) S 83° W	14.1	0	0	0	..	
75	0.6	0.6	19	0	0	0	2	1	0	7	2	S 82° W	11	0	0	0	2	1	7	6	4	S 70° W	12.8	0	0	0	..	
(e) 82	0.3	(e) 0	22	0	0	1	5	1	0	1	0	S 38° W	12	0	0	0	2	10	3	2	0	(c) S 11° W	12.9	0	0	0	..	
80	1.4	0	12	0	0	15	4	0	0	0	0	S 81° W	7	0	0	5	7	11	1	0	0	S 29° E	3.7	0	0	0	..	
(b) 81	2.9	(b) 0.3	10	0	0	15	6	0	0	0	0	S 78° E	3	0	0	2	9	11	5	0	0	(b) S 13° E	7.6	0	0	0	..	
(d) 87	0.1	(d) 0.1	9	0	1	16	1	0	0	2	1	N 87° E	2	0	0	1	2	20	1	2	0	(d) S 1° W	6.2	0	0	0	..	
(e) 79	0.6	(e) 0	19	0	0	7	1	0	0	1	3	N 73° E	0	0	0	0	1	17	9	0	0	(e) S 13° W	5.3	0	0	0	..	
(d) 82	0	(d) 0	9	0	4	9	0	0	0	0	8	N 36° E	3	0	0	0	0	9	14	1	1	(d) S 32° W	4.6	0	0	0	..	
71	0.6	0.3	5	1	11	9	2	0	0	0	3	N 60° E	0	0	1	0	1	9	12	3	5	S 44° W	5.3	1.80	1	1.80	25th	
78	1.0	0.6	176	2	30	81	22	4	1	13	25	..	83	2	4	10	23	91	64	23	23	..	9.0	5.33	6	2.55	7th Jan.	

(j) Mean of 20 days. (m) Mean of 19 days. (e) Mean of 27 days.

MONTHLY AND ANNUAL

Abstract of observations taken at 4 and 14 hrs. (G. M. T.)

Station and Height of bar-dial stem above sea-level in feet.	MONTH.	PRESSURE. (REDUCED TO 32° F. AND STANDARD GRAVITY.)		TEMPERATURE OF AIR.								TEMPERATURE WET BULB.		VAPOUR TENSION IN INCHES OF MERCURY.		HUM. Mean 4 hrs.
		Mean 4 hrs.	Mean 14 hrs.	Mean maximum.	Mean minimum.	Highest maximum.	Date.	Lowest minimum.	Date.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Gwador (22)	January . . .	30-017	29-958	74.7	61.1	78.2	30th	49.2	10th	66.2	70.1	60.6	62.8	.468	.489	70
	February . . .	29-992	.987	71.5	60.1	79.7	28th	47.1	3rd	65.0	68.3	60.4	62.9	.478	.505	75
	March . . .	.982	.862	82.1	67.4	95.4	29th	58.0	3rd	72.7	75.8	68.2	68.6	.628	.610	79
	April . . .	.788	.711	91.8	78.9	99.3	6th	70.7	11th	80.3	83.0	76.7	77.6	.878	.855	85
	May . . .	.643	.566	96.4	78.3	108.1	19th	72.4	15th	83.7	87.4	77.9	76.9	.879	.784	76
	June . . .	.557	.455	93.9	81.6	110.0	11th	75.6	12th	85.9	87.8	81.5	81.8	.998	1.009	82
	July . . .	.451	.366	90.9	81.9	105.2	2nd	76.3	30th	84.4	85.5	79.7	80.2	.958	.958	81
	August . . .	.462	.378	88.9	79.8	96.4	18th	75.7	25th and 31st	82.8	83.9	78.2	78.5	.806	.914	80
	September . . .	.686	.601	86.8	76.6	92.6	19th	71.8	30th	79.9	80.6	75.5	76.3	.824	.853	81
	October . . .	.849	.762	89.0	70.1(b)	97.2	11th	59.6	30th	77.9	80.8	72.8	72.5	.728	.686	77
	November . . .	.979	.904	84.0	64.1	89.8	4th	58.9	6th	78.0	77.0	67.5	68.2	.599	.567	75
	December . . .	30-021	.957	77.5	61.6	85.8	8th	53.6	14th	67.9	71.5	61.4	63.9	.459	.495	67
Year . . .	29-781	29-706	85.6	71.5	110.0	11th June	47.1	3rd Feb.	76.6	79.3	71.7	72.5	.732	.727	77	
Pasni (10)	January . . .	30-024	29-960	74.5	59.4	79.0	28th	50.1	12th	64.4	68.7	60.5	63.7	.491	.532	78
	February . . .	.008	.956	71.5	58.6	79.2	28th	44.0	3rd	63.1	67.2	59.0	63.7	.457	.551	77
	March . . .	29-849	.882	82.6	63.2	94.6	28th	55.4	3rd	72.0	74.3	66.7	71.1	.590	.713	76
	April . . .	.820	.733	92.6	71.5	101.0	15th	66.5	9th	82.3	82.0	74.0	77.1	.728	.860	67
	May . . .	.671	.614	95.6	75.6	108.6	20th	69.6	3rd	86.8	86.7	79.6	81.0	.930	.978	73
	June . . .	.591	.466	93.8	80.1	101.1	25th	76.7	1st	88.1	87.1	81.3	83.4	.966	1.075	74
	July . . .	.484	.409	91.7	81.9	104.6	2nd	79.2	30th	86.6	85.7	81.7	82.2	1.021	1.050	80
	August . . .	.491	.417	90.1	80.3	98.9	18th	77.1	29th	84.5	84.2	78.3	79.2	.873	.876	75
	September . . .	.712	.633	87.4	74.2	91.2	23th	68.9	26th	80.6	79.9	75.5	75.7	.806	.831	77
	October . . .	.872	.788	89.7	67.9	97.4	11th	56.9	23rd	78.6	78.5	70.0	74.6	.613	.601	65
	November . . .	.999	.923	84.5	61.0	88.3	18th	55.0	6th	72.8	74.2	66.8	71.5	.569	.733	73
	December . . .	30-046	.876	78.1	60.6	84.6	3rd	52.0	14th	66.5	70.7	63.1	66.7	.525	.596	79
Year . . .	29-805	29-733	86.0	69.5	108.6	20th May	44.0	3rd Feb.	77.3	78.3	71.4	74.1	.714	.800	75	

(b) Mean of 30 days.

TABLE D-2 FOR 1931--contd.

at 15 stations in Persia, etc.

ST.	CLOUD.			WIND DIRECTION.																WIND VELOCITY.	RAINFALL.						
	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	Total number of 4 hrs. winds from										Mean wind direction at 4 hrs.	Total number of 14 hrs. winds from						Mean wind direction at 14 hrs.	Mean daily velocity in miles per hr.	Total rainfall.	Number of rainy days.	Hours of rainfall.	Date.	
				Calm	N	NE	E	SE	S	SW	W	NW	Calm		N	NE	E	SE	S								SW	W	NW
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
65	3.9	3.7	9	2	5	2	3	1	0	2	7	N 5°E	7	0	0	2	5	5	8	2	1	S 16°W	5.5	2.52	2	1.28	8th
73	5.7	5.8	5	3	10	4	1	0	0	2	3	N 34°E	3	1	4	6	2	6	4	1	1	S 45°E	7.9	3.10	7	1.00	7th
68	2.2	3.0	3	1	6	2	1	0	2	12	4	N 48°W	2	1	0	0	2	2	17	4	2	S 28°W	6.4	1.07	2	0.63	2nd
79	4.0	3.8	0	0	1	5	2	1	3	17	1	S 76°W	0	0	1	0	1	2	18	8	0	S 58°W	9.1	0	0	0	..
62	2.3	2.9	1	0	1	4	0	0	8	15	2	S 79°W	0	0	1	1	0	2	18	2	1	S 53°W	10.3	0	0	0	..
76	3.4	1.9	0	0	5	11	0	1	2	9	2	N 47°E	0	0	0	0	2	9	15	4	0	S 22°W	6.9	0	0	0	..
79	6.9	6.2	1	0	5	14	4	2	2	2	1	S 83°E	0	0	1	1	10	10	8	1	0	S 5°E	7.0	0	0	0	..
77	8.3	6.5	2	0	5	11	10	1	1	0	1	S 77°E	0	0	0	0	7	14	10	0	0	S 5°W	5.0	0	0	0	..
81	5.8	3.9	1	0	4	6	7	1	5	4	3	S 43°E	0	0	0	0	1	10	15	4	0	S 22°W	4.3	0	0	0	..
67	3.5	0.7	2	0	4	3	1	0	5	13	3	N 37°W	0	0	0	1	4	4	13	9	0	S 42°W	(c) 5.2	0	0	0	..
62	2.4	1.7	5	2	2	1	0	1	2	9	8	N 64°W	4	0	1	0	3	5	12	5	0	S 24°W	4.0	0	0	0	..
64	3.1	2.3	4	7	4	2	1	3	0	2	8	N 10°W	2	4	1	1	3	6	9	3	2	S 40°W	(b) 5.1	1.21	3	0.70	25th
71	4.3	3.5	33	15	52	65	30	11	30	87	42	..	18	6	9	12	40	75	147	51	7	..	6.4	7.90	14	1.28	8th Jan.
74	3.2	2.3	7	3	3	9	0	1	0	2	6	N 31°E	4	0	0	2	5	5	9	4	2	N 25°W	5.6	2.62	3	1.47	31st
81	5.0	5.0	1	5	3	9	2	0	0	0	3	N 31°E	1	1	1	3	4	5	6	2	0	S 27°E	7.9	1.90	6	0.43	10th
84	1.6	1.2	9	2	2	2	0	0	0	7	9	N 49°W	1	0	1	0	1	2	13	12	1	S 63°W	(c) 6.4	1.19	2	0.47	2nd and 14th.
80	2.6	1.2	1	0	2	2	1	1	1	13	6	N 30°W	0	0	0	0	0	1	11	18	0	S 71°W	(k) 9.8	0	0	0	..
78	1.5	2.1	2	0	1	3	2	0	2	12	4	N 33°W	0	0	0	0	0	1	13	16	1	S 70°W	8.5	0	0	0	..
85	1.9	1.7	1	0	0	9	4	0	3	11	2	S 28°W	0	0	0	2	0	3	14	11	0	S 56°W	8.0	0	0	0	..
86	5.3	6.1	0	0	1	3	13	3	5	5	1	S 14°E	0	0	0	1	2	6	17	5	0	S 37°E	7.3	0	0	0	..
75	8.1	5.3	0	0	0	9	6	2	7	7	0	S 7°E	0	0	0	0	1	10	15	5	0	S 25°W	6.0	0	0	0	..
81	4.6	2.5	1	0	0	5	3	1	4	12	4	S 74°W	0	0	0	0	1	19	10	0	S 53°W	7.6	0	0	0	..	
88	1.5	0.1	0	5	5	5	1	1	2	3	6	N 14°W	1	0	2	0	2	0	8	17	1	S 77°W	6.8	0	0	0	..
87	1.3	1.2	0	5	2	3	0	0	0	3	17	N 30°W	1	0	0	0	1	4	10	13	1	S 61°W	5.0	0	0	0	..
80	2.5	1.6	0	10	5	4	1	0	0	0	11	N 1°E	2	4	1	0	0	9	3	5	2	S 37°W	6.3	0.73	2	0.44	25th
81	3.3	2.4	22	20	24	68	33	9	24	31	74	..	10	5	5	13	14	47	143	118	8	..	7.1	6.44	12	1.67	31st Jan.

(b) Mean of 30 days.

(c) Mean of 29 days.

(e) Mean of 27 days.

(k) Mean of 21 days.

MONTHLY AND ANNUAL

Abstract of observations taken at 4 and 14 hrs. (G. M. T.)

Station and Height of barometer above sea-level in feet.	MONTH.	PRESSURE REDUCED TO 32° F. AND STANDARD GRAVITY.		TEMPERATURE OF AIR.								TEMPERATURE WET BULB.		VAPOUR-TENSION IN INCHES OF MERCURY.		HUMIDITY.
		Mean 4 hrs.	Mean 14 hrs.	Mean maximum.	Mean minimum.	Highest maximum.	Date.	Lowest minimum.	Date.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Panjgur (3,177)	January	26.829	26.759	65.6	42.4	73.0	4th	29.8	11th	47.2	58.9	42.9	49.5	.233	.242	68
	February	.801	.744	60.4	43.1	74.2	28th	26.6	4th	47.0	55.3	42.5	46.5	.226	.216	67
	March	.791	.724	79.0	51.4	92.0	30th	36.8	4th	58.4	72.2	50.7	56.4	.285	.258	60
	April	.711	.683	91.9	62.6	97.6	30th	58.0	7th and 11th	73.9	82.1	64.7	70.1	.509	.591	70
	May	.617	.544	98.6	69.5	105.4	17th	56.4	15th	82.1	92.1	70.2	76.9	.595	.753	55
	June	.549	.462	101.5	74.5	107.4	15th	68.6	27th	85.0	95.7	72.6	77.2	.667	.711	55
	July	.435	.358	103.7	77.3	107.8	9th and 17th	70.2	4th	86.2	99.1	72.3	75.3	.623	.588	51
	August	.433	.344	105.4	77.1	112.8	7th	67.4	30th	84.9	99.8	71.4	74.2	.602	.536	52
	September	.621	.545	96.4	63.7	106.0	1st	56.6	25th	75.5	89.7	62.3	68.6	.408	.452	47
	October	.733	.708	86.4	55.3	101.2	3th	41.4	20th	65.3	78.5	55.3	61.6	.316	.337	50
	November	.865	.735	79.1	47.3 (g)	85.4	5th	41.0	4th	54.7	70.1	43.6	52.0	.147	.165	37
	December	.861	.796	66.0	41.3	78.2	4th	27.9	31st	47.9	58.6	40.7	46.7	.163	.169	51
Year		26.691	26.617	86.2	58.8	112.8	7th Aug.	26.6	4th Feb.	67.4	79.3	57.4	62.9	.398	.418	55
Ormara (15)	January	30.024	29.954	75.1	58.5	79.7	15th	49.4	10th	65.8	69.9	60.8	62.6	.484	.472	75
	February	.009	.945	72.2	58.6	80.3	28th	45.5	3rd	64.7	67.4	58.8	60.7	.423	.449	68
	March	29.941	.867	82.7	65.0	97.5	28th	56.0	4th	73.3	75.1	68.3	69.3	.616	.631	77
	April	.797	.710	92.9	75.8	102.5	7th	68.9	2nd	82.3	83.5	76.0	75.4	.811	.761	75
	May	.659	.578	95.8	80.0	109.0	20th	74.7	10th	86.4	86.7	80.3	79.7	.943	.930	78
	June	.573	.488	94.3	82.9	101.0	17th	60.2	11th and 27th	87.1	86.9	82.0	81.8	1.023	1.023	80
	July	.484	.411	92.1	82.6	99.8	4th	80.3	26th	85.2	85.2	80.1	80.3	.954	.957	79
	August	.476	.413	91.0	81.4	94.8	18th	78.7	29th	83.9	84.7	79.1	79.4	.927	.930	80
	September	.696	.629	85.9	77.1	89.4	1st	73.1	17th	79.8	80.3	75.0	75.3	.804	.808	79
	October	.852	.784	89.2	70.1	101.2	11th	55.8	23rd	73.2	80.7	69.4	72.1	.602	.669	65
	November	.992	.916	85.4	62.5	92.1	3rd	54.0	5th	71.2	77.3	67.3	71.9	.607	.709	80
	December	.903	.871	78.5	59.0	84.8	2nd	50.4	29th	67.1	72.2	60.8	63.9	.453	.485	63
Year		29.795	29.722	88.3	71.1	109.0	20th May	45.5	3rd Feb.	77.1	79.2	71.5	72.7	.721	.735	75

(g) Mean of 25 days.

TABLE D-2 FOR 1931—contd.

at 15 stations in Persia, etc.

DAY.	CLOUD.			WIND DIRECTION.																	WIND VELOCITY.	RAINFALL.						
	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	Total number of 4 hrs. winds from											Mean wind direction at 4 hrs.	Total number of 14 hrs. winds from						Mean wind direction at 14 hrs.	Mean daily velocity in miles per hr.	Total rainfall.	Number of rainy days.	Heaviest rainfall.	Date.	
				Calm.	N	NE	E	SE	S	SW	W	NW	Calm.	N		NE	E	SE	S	SW								W	NW
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	
48	3-3	3-6	3	2	12	8	0	4	2	0	0	N 72° E	3	7	3	0	0	7	9	2	0	S 56° W	6-4	0-28	1	0-28	23rd	
49	5-1	5-1	3	5	11	5	0	1	1	0	2	N 41° E	1	8	2	0	0	5	6	1	5	N 63° W	5-2	1-41	5	0-53	7th	
36	1-6	2-5	3	5	13	8	1	0	0	1	0	N 51° E	2	7	1	1	0	7	6	2	5	W	4-3	1-21	1	1-10	2nd	
49	2-1	2-1	3	3	6	7	1	1	2	3	2	N 43° W	0	4	1	0	1	3	10	7	4	S 78° W	6-0	0-02	0	0-02	2nd	
51	0-9	2-6	7	8	8	4	0	1	0	1	2	N 27° E	2	6	1	1	0	2	8	7	4	N 82° W	5-6	0	0	0	..	
43	0-2	0-8	4	4	3	3	0	1	5	4	6	N 49° W	0	9	1	0	0	1	3	3	13	N 41° W	5-8	0	0	0	..	
32	0-8	1-3	6	2	2	2	0	1	4	7	7	N 68° W	0	13	1	0	0	1	2	2	12	N 29° W	5-8	0-01	0	0-01	19th	
29	2-2	2-7	10	1	2	2	0	2	6	4	4	S 83° W	1	10	3	0	0	0	3	5	9	N 35° W	4-9	0	0	0	..	
33	0-4	0-5	4	5	10	6	1	1	2	1	0	N 53° E	0	15	3	0	0	0	0	2	10	N 16° W	4-0	0	0	0	..	
37	0-3	0-7	2	3	15	10	0	0	0	1	0	N 55° E	1	18	4	1	0	1	1	1	4	N 2° W	4-6	0	0	0	..	
25	1-5	1-2	0	1	15	14	0	0	0	0	0	N 65° E	6	9	5	0	0	1	5	3	1	N 23° W	4-5	0	0	0	..	
38	3-3	1-6	1	1	16	11	1	0	1	0	0	N 64° E	2	7	7	0	0	2	9	3	1	N 50° W	6-2	0-09	0	0-07	23rd	
39	1-8	2-1	46	40	115	80	4	12	23	22	23	..	18	113	32	3	1	30	62	38	68	..	5-3	3-02	7	1-10	2nd Mar.	
65	2-3	2-6	24	0	1	3	1	0	0	1	1	N 76° E	6	0	0	3	4	9	4	5	0	S 8° W	2-4	3-05	3	1-87	8th	
66	5-1	6-1	11	0	8	5	2	0	0	1	1	N 65° E	5	0	2	4	3	5	5	3	1	S 2° E	3-0	2-00	5	0-97	1st	
74	2-0	2-0	23	0	2	0	0	0	1	4	1	S 71° W	4	0	2	0	0	0	11	12	2	S 78° W	5-4	0-29	2	0-17	14th	
69	2-1	1-3	9	1	0	1	0	0	5	14	0	S 81° W	0	0	0	0	0	0	12	18	0	S 72° W	9-1	0	0	0	..	
73	1-1	2-3	4	0	3	4	0	0	5	15	0	S 84° W	0	0	0	0	0	0	12	18	1	S 74° W	9-3	0	0	0	..	
80	1-6	1-1	8	0	2	2	0	1	3	14	0	S 82° W	0	0	0	0	0	2	13	15	0	S 65° W	7-7	0	0	0	..	
80	5-8	2-8	3	1	1	2	0	0	12	11	1	S 71° W	1	0	1	0	3	2	13	11	0	S 54° W	6-6	0	0	0	..	
78	8-4	3-3	1	1	0	1	0	1	7	19	1	S 81° W	0	0	0	0	1	8	12	9	1	S 47° W	7-5	0	0	0	..	
79	6-4	2-0	0	1	0	1	1	0	4	22	1	S 4° W	0	0	0	0	0	0	14	16	0	S 21° W	9-9	0	0	0	..	
67	1-7	0-3	5	1	3	8	1	2	1	9	1	N 45° E	1	0	0	0	1	2	10	16	1	S 69° W	8-0	0	0	0	..	
76	1-5	1-3	25	0	2	1	1	0	0	0	1	N 60° E	5	0	0	2	0	2	12	9	0	S 56° W	3-4	0	0	0	..	
60	2-4	1-0	19	2	2	5	3	0	0	0	0	N 81° E	11	0	0	0	1	6	7	6	0	S 43° W	2-9	0-39	2	0-29	25th	
72	3-4	2-2	132	7	24	33	9	4	38	110	8	..	33	0	5	9	13	36	125	138	6	..	6-3	5-73	12	1-87	5th Jan	

MONTHLY AND ANNUAL

Abstract of observations taken at 4 and 14 hrs. (G. M. T.)

Station and Height of bar-cistern above sea-level in feet.	MONTH.	PRESSURE REDUCED TO 32° F. AND STANDARD GRAVITY.		TEMPERATURE OF AIR.								TEMPERATURE WET BULB.		VAPOUR-TENSION IN INCHES OF MERCURY.		HUMIDITY.
		Mean 4 hrs.	Mean 14 hrs.	Mean maximum.	Mean minimum.	Highest maximum.	Date.	Lowest minimum.	Date.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Ispahan (3,317)	January . . .	24.19	24.20	(b) 51.3	29.8	65.2	2nd	18.8	24th	33.2	45.8	30.6	38.9	.147	.178	73
	February . . .	(f) 24	.21	49.9	(f) 28.4	58.8	18th and 19th.	18.9	23rd	(f) 33.9	44.4	(f) 30.7	36.7	(f) .140	.142	(f) 73
	March . . .														Data	not avail
	April . . .	.26	.22	78.2	48.6	80.4	10th	42.9	8th	57.7	67.2	49.6	52.7	.271	.251	57
	May . . .	.27	.22	80.6	53.8	87.3	29th	48.9	6th	65.7	75.7	55.3	57.4	.320	.293	51
	June . . .	.26	.19	90.5	61.0	99.0	30th	52.1	4th	74.6	85.8	58.9	60.4	.338	.249	38
	July . . .	.14	.08	100.5	69.3	104.5	9th	64.6	21st	82.2	96.3	62.4	68.4	.342	.202	31
	August . . .	.14	.09	99.5	67.9	108.2	10th	57.9	30th	79.7	94.5	61.6	68.8	.333	.222	33
	September . . .	.31	(c) .26	92.5	57.6	99.9	1st	52.2	21st and 30th	69.3	(c) 86.7	54.2	(d) 60.9	.260	(d) .237	34
	October . . .	.41	.34	80.1	47.0	92.2	2nd	37.9	30th	56.6	71.2	46.2	51.0	.201	.168	44
	November . . .	.36	.31	61.9	39.9	75.6	5th	28.2	30th	49.2	54.1	39.4	43.7	.141	.173	42
	December . . .	.32	.27	51.3	25.8	65.9	2nd	9.2	27th	37.3	48.9	28.8	34.7	.081	.107	37
Year(z) . . .	24.27	24.22	75.6	48.0	108.2	10th Aug.	9.2	27th Dec.	56.1	69.6	47.1	51.1	.233	.201	47	
Teheran (4,002)	January . . .	25.73	25.74	46.2	29.2	58.0	2nd	17.6	26th	38.2	48.4	31.8	40.8	.167	.217	87
	February . . .	.84	.84	41.8	28.6	50.5	20th	20.1	4th	31.5	39.6	30.5	36.4	.161	.180	91
	March . . .	.77	(b) .72	(b) 68.5	41.3	75.7	17th	28.2	6th	45.8	(b) 59.2	40.7	(b) 49.8	.199	(b) .251	64
	April . . .	.73	.68	72.5	51.2	80.6	11th	43.1	23rd	56.7	68.2	50.1	56.1	.284	.310	62
	May . . .	.73	.68	79.3	56.8	87.6	31st	48.9	19th	62.6	75.0	56.1	61.8	.373	.404	66
	June . . .	.71	.65	88.2	65.4	95.7	30th	52.8	4th	70.7	84.7	61.4	68.6	.429	.523	59
	July . . .	.60	.53	97.3	75.5	100.6	21st	72.1	2nd	79.1	96.9	66.3	75.1	.583	.646	57
	August . . .	.63	.56	94.0	73.2	98.6	1st	69.3	27th	77.6	98.9	67.2	75.3	.543	.633	58
	September . . .	.79	.73	86.9	66.9	94.4	1st	63.6	27th and 30th	70.5	80.2	60.0	66.7	.396	.492	53
	October . . .	.83	.84	73.1	58.1	84.7	2nd	42.4	17th	56.9	65.5	48.9	56.1	.249	.338	55
	November . . .	.88	.86	60.1	40.9	70.3	7th	28.9	29th	43.7	51.1	39.3	45.5	.204	.241	71
	December . . .	.82	.74	48.8	27.6	60.6	2nd	12.5	26th	31.8	39.8	29.8	35.6	.143	.181	81
Year . . .	25.76	25.71	79.9	59.8	100.6	21st July	12.5	26th Dec.	55.0	65.8	46.7	55.5	.311	.368	67	

(y) Mean of 30 days.

(c) Mean of 29 days.

(d) Mean of 28 days.

(e) Mean of 11 months.

(f) Mean of 26 days.

z B.—Elevations in italics indicate barometric determinations.

TABLE D-2 FOR 1931—contd.

at 15 stations in Persia, etc.

STY.	CLOUD.			WIND DIRECTION.																	WIND VELOCITY.	RAINFALL.								
	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	Total number of 4 hrs. winds from											Mean wind direction at 4 hrs.	Total number of 14 hrs. winds from								Mean wind direction at 14 hrs.	Mean daily velocity in miles per hr.	Total rainfall.	Number of rainy days.	Heaviest rainfall.	Date.	
				Calm.	N	NE	E	SE	S	SW	W	NW	Calm.	N		NE	E	SE	S	SW		W	NW							
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45			
58	2.6	3.7	27	0	0	0	0	0	4	0	0	S 45° W	21	0	0	1	0	1	6	2	0	S 45° W	1.8	118	3	0.72	7th			
50	(f) 3.3	4.1	21	0	0	0	0	0	5	0	0	(f) S 45° W	15	0	2	0	1	0	7	1	2	S 62° W	(A) 1.8	1.45	6	0.33	26th			
39	2.2	4.7	19	0	0	0	1	1	6	1	2	S 53° W	4	2	3	1	1	1	13	4	1	S 59° W	(e) 3.3	0.71	2	0.30	25th			
33	1.6	4.3	11	2	0	0	0	0	8	5	5	S 86° W	4	3	3	2	0	1	12	3	3	S 77° W	3.9	0.20	1	0.14	3rd			
25	0.7	1.9	11	3	3	1	1	0	5	3	3	N 58° W	3	7	3	2	1	0	5	1	3	N 9° E	4.1	0.08	0	0.03	4th			
12	0.9	2.1	20	0	0	1	1	0	2	2	1	(e) S 60° W	5	1	7	9	1	0	2	0	0	(g) N 74° E	2.7	0	0	0	..			
14	0.7	1.8	22	1	0	0	0	0	0	2	6	N 50° W	13	4	7	2	2	0	3	0	0	M 49° E	2.2	0	0	0	..			
(d) 15	0.6	(c) 1.6	25	0	0	0	0	0	4	1	0	S 54° W	17	1	3	4	1	0	0	1	0	(e) N 68° E	1.6	0	0	0	..			
19	0.3	0.7	23	0	0	0	0	0	4	2	2	S 77° W	17	1	7	3	0	0	3	0	0	N 57° E	1.4	0	0	0	..			
41	3.8	3.6	25	0	0	0	1	0	0	3	1	W	14	0	3	6	2	0	2	3	0	S 36° E	1.4	0.68	2	0.34	8th			
35	1.6	1.7	27	0	0	0	0	0	2	1	1	S 77° W	24	0	0	0	0	0	5	1	1	S 62° W	1.1	0.45	1	0.45	6th			
31	1.6	2.7	231	6	3	2	4	1	40	20	21	..	137	19	43	30	9	3	58	16	10	..	2.3	4.65	15	0.72	7th Jan.			
76	3.7	5.5	11	3	11	0	1	0	3	1	1	N 28° E	11	2	1	1	1	1	12	2	0	S 47° W	1.7	1.24	5	0.32	19th			
75	6.1	5.5	16	1	9	0	2	0	0	0	0	N 53° E	16	1	1	0	2	1	7	0	0	S 27° W	1.2	3.39	8	0.95	13th			
(b) 51	3.8	(b) 4.3	26	1	2	0	1	0	0	0	1	N 30° E	13	1	1	0	0	2	5	5	3	(b) S 30° W	1.7	0.58	1	0.48	21st			
45	4.1	5.2	28	0	0	0	0	1	0	1	0	S 45° W	10	0	2	0	0	1	9	5	3	S 72° W	2.9	0.78	2	0.44	22nd			
49	2.4	3.7	23	1	0	0	1	2	3	0	1	S 34° W	5	1	2	0	2	1	9	7	4	S 75° W	2.5	0.93	4	0.38	9th			
44	1.3	1.4	29	0	0	0	0	1	0	0	0	S	20	0	0	1	0	1	3	3	2	S 73° W	1.6	0.13	0	0.09	8th			
41	1.8	1.6	26	0	1	0	1	1	2	0	0	S	18	0	0	0	4	6	3	0	0	S 4° E	1.3	0.02	0	0.02	24th			
47	1.9	2.1	26	1	0	0	1	2	1	0	0	S	26	0	0	0	3	0	2	0	0	S 11° E	1.1	0.08	0	0.08	13th			
49	0.4	0.9	27	1	0	0	0	0	2	0	0	S 74° W	29	0	0	0	0	0	0	0	1	N 45° W	1.0	0	0	0	..			
55	0.3	0.7	16	7	5	0	0	0	0	0	3	N 6° E	23	2	0	0	0	1	1	1	0	N 30° W	1.3	0	0	0	..			
64	4.9	3.9	22	3	3	0	0	0	1	1	0	N 5° E	26	0	1	0	0	1	0	1	1	N 68° W	1.0	1.26	4	0.40	11th			
76	4.0	3.0	21	5	3	0	1	0	0	1	0	N 16° E	23	0	0	1	0	1	4	2	0	S 45° W	1.2	1.62	4	0.52	6th			
56	2.9	3.1	271	23	34	0	8	7	12	4	6	..	223	7	8	3	12	16	55	26	14	..	2.5	9.97	30	0.95	13th Feb.			

(e) Mean of 27 days.

(g) Mean of 25 days.

(A) Mean of 24 days.

MONTHLY AND ANNUA

Abstract of observations taken in the forenoon and afternoon

Station and height of bar-cistern above sea-level in feet with the time of observation.	MONTH.	PRESSURE (REDUCED TO 32° F. AND STANDARD GRAVITY.)		TEMPERATURE OF AIR.						TEMPERATURE WET BULB.		VAPOUR-TENSION IN INCHES OF MERCURY.		HUMI		
		Mean at Time I.	Mean at Time II.	Mean maximum.	Mean minimum.	Highest maximum.	Date.	Lowest minimum.	Date.	Mean at Time I.	Mean at Time II.	Mean at Time I.	Mean at Time II.	Mean at Time I.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Seistan. (2,000). Time I—4 hrs. (G. M. T.) Time II—12 hrs. (G. M. T.)	January	28.332	23.295	59.3	35.5	78.0	21st	24.6	10th and 11th	39.7	57.1	37.1	46.9	.195	.203	73
	February	.491	.425	52.5	36.5	64.4	28th	22.8	25th	39.7	51.5	37.4	43.7	.201	.196	80
	March	.395	.292	73.9	46.9	94.0	21st	34.4	4th	53.5	72.7	48.1	55.7	.266	.238	65
	April	.251	.145	86.1	61.9	95.8	14th	55.0	11th	69.2	85.3	61.1	66.5	.433	.401	60
	May	.178	.080	90.1	66.5	98.1	16th	57.8	12th	74.3	89.5	62.9	68.2	.427	.414	50
	June	.077	.013	96.5	73.0	106.6	17th	60.8	4th	81.3	96.2	64.3	70.4	.380	.406	35
	July	27.914	27.828	102.1	78.4	107.0	29th, 30th and 31st	68.4	23th	87.0	101.9	66.9	70.0	.409	.386	30
	August	.935	.842	100.2	77.3	109.2	2nd	68.9	31st	84.7	99.9	65.6	71.9	.391	.429	31
	September	28.179	28.022	92.9	65.7	102.0	1st	58.5	27th	76.6	92.1	60.2	64.5	.315	.259	34
	October	.404	.304	80.9	53.7	96.2	4th	35.7	29th	61.0	79.9	51.1	60.5	.253	.284	46
	November	.486	.395	71.1	48.7	79.1	3rd	34.3	25th.	49.6	69.6	43.9	54.4	.217	.236	60
	December	.485	.396	68.6	34.0	79.4	7th	19.8	28th	39.2	61.8	35.9	48.6	.171	.184	72
Year	28.265	28.170	80.8	56.1	109.2	2nd Aug.	19.8	28th Dec.	63.0	79.8	52.9	60.2	.305	.301	53	
Air Ship Base Observatory Drigh Road (Karachi). (77). Time I—3-32 hrs. (G. M. T.) Time II—14 hrs. (G. M. T.)	January	29.989	29.922	78.9	49.9	85.2	7th	42.7	2nd	56.9	68.2	48.5	56.8	.235	.313	49
	February	.965	.900	75.6	53.7	82.5	28th	40.4	4th	59.3	68.0	51.5	56.8	.290	.323	55
	March	.886	.818	87.7	59.7	96.4	30th	49.7	6th	69.5	77.0	63.2	66.4	.492	.497	60
	April	.735	.668	97.4	71.7(c)	107.3	14th	64.6	7th	81.8	83.8	73.2	74.9	.695	.746	64
	May	.609	.553	95.5	77.8	102.8	7th	70.2	15th	85.8	85.7	78.0	78.2	.852	.858	69
	June	.528	.461	94.9	82.3	98.3	8th	79.2	1st	87.6	87.0	79.5	80.5	.880	.963	69
	July	.427	.372	93.0	82.5	101.2	26th	76.2	19th	86.2	86.4	79.3	80.0	.895	.935	73
	August	.429	.372	92.0	81.7	97.9	14th	78.7	14th	85.0	84.7	78.6	78.6	.889	.894	74
	September	.638	.584	90.3	76.6	98.1	20th	70.2	28th	81.0	81.0	74.5	74.9	.765	.781	73
	October	.789	.720	95.5	70.5	105.8	7th	57.2	29th	80.3	83.5	68.4	70.8	.638	.573	53
	November	.940	.866	90.7	60.3	93.6	3rd	55.0	7th	70.5	78.1	57.9	64.3	.315	.422	43
	December	.989	.917	82.1	54.2	88.2	1st	47.9	13th	60.9	71.3	51.0	59.6	.245	.345	46
Year	29.744	29.670	89.5	68.4	107.3	14th Apl.	40.4	4th Feb.	75.4	79.6	67.0	70.1	.591	.633	61	

(b) Mean of 30 days.

(c) Mean of 30 days.

(e) Mean of 27 days.

(g) Mean of 25 days.

TABLE D-2 FOR 1931—contd.

at 15 stations in Persia, etc.

MT	CLOUD.			WIND DIRECTION.																	WIND VELOCITY.	RAINFALL.							
	Mean at Time I.	Mean at Time II.	Mean at Time II.	Total number of 4 hrs. (G. M. T.) winds from									Mean wind direction at Time I.	Total number of 14 hrs. (G. M. T.) winds from									Mean wind direction at Time II.	Mean daily velocity in miles per hr.	Total rainfall.	Number of rainy days.	Heaviest rainfall.	Date.	
				Calm.	N	NE	E	SE	S	SW	W	NW		Calm.	N	NE	E	SE	S	SW		W							NW
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45		
43	4.9	4.2	15	8	1	0	6	0	0	0	6	N 11° E	9	5	0	0	5	0	0	0	12	N 26° W	3.5	0.37	1	0.19	8th		
50	0.3	4.7	2	2	0	0	3	0	0	1	20	N 43° W	3	1	1	0	2	0	0	0	21	N 40° W	6.6	1.34	4	0.70	13th		
29	3.6	3.9	9	0	1	0	7	0	0	0	14	N 37° W	5	1	0	0	10	0	0	0	15	N 38° W	4.6(p)	0.42	2	0.32	6th		
33	4.3	5.1	4	0	0	1	3	0	0	0	22	N 43° W	12	0	0	0	1	0	0	0	17	N 45° W	4.2	0.30	2	0.16	26th		
30	2.6	4.4	1	4	0	0	1	0	0	0	25	N 39° W	6	1	0	0	3	0	0	0	21	N 43° W	7.6(b)	0.04	0	0.04	12th		
23	0.9	1.2	0	7	1	0	0	0	0	0	22	N 32° W	2	3	0	0	2	0	0	0	23	N 41° W	11.6	0	0	0	..		
17	0.2	0.2	0	14	17	0	0	0	0	0	0	N 25° W	..	6	1	0	0	0	0	0	24	N 34° W	12.6	0	0	0	..		
21	1.0	0.5	0	8	0	0	0	0	0	0	23	N 34° W	..	7	0	0	0	0	0	0	24	N 35° W	15.4	0	0	0	..		
16	0	0	2	1	6	0	1	0	0	1	19	N 27° W	1	9	9	0	0	0	0	0	11	N 3° W	11.0	0	0	0	..		
26	0.3	0.3	6	9	9	0	1	0	0	0	6	N 8° E	3	8	5	0	1	0	0	0	4	N 23° E	9.1	0	0	0	..		
30	3.2	3.3	8	7	11	0	0	0	0	0	4	N 16° E	6	7	15	0	2	0	0	0	0	N 36° E	5.2	0	0	0	..		
31	2.3	2.4	10	4	3	0	4	0	3	1	6	N 24° W	4	4	3	0	3	1	0	0	10	N	3.3	0.01	0	0.01	9th		
20	2.5	2.6	57	59	49	1	26	0	3	3	167	..	51	53	44	0	34	1	0	0	182	..	7.9	2.48	9	0.70	13th Feb.		
45	2.5	1.6	4	11	13	1	0	0	1	0	1	N 23° E	0	0	4	4	1	1	9	11	1	S 67° W	4.3	0.05	0	0.05	24th		
47	5.7	5.3	3	7	16	2	0	0	0	0	0	N 36° E	1	0	7	5	1	1	6	6	1	S 45° W	5.5(e)	0.14	0	0.09	8th		
57	1.3	2.0	6	7	5	0	2	1	2	6	2	S 23° W	0	0	0	1	0	0	12	17	1	S 73° W	6.6	0.17	1	0.17	15th		
65	2.6	2.0	1	2	1	1	0	0	3	16	6	N 76° W	0	0	0	0	0	0	14	16	0	S 69° W	7.8	0	0	0	..		
72	3.6	3.3	0	0	0	0	0	0	11	17	3	S 79° W	0	0	0	1	0	0	16	18	1	S 70° W	12.5	0	0	0	..		
74	5.7	4.3	0	0	0	0	0	0	9	20	1	S 78° W	0	0	0	0	0	0	19	11	0	S 61° W	14.3	0.05	0	0.05	22nd		
75	7.9	7.3	0	0	1	0	0	0	11	18	1	S 76° W	0	0	0	0	0	0	16	15	0	S 67° W	16.3	0.22	1	0.22	19th		
75	8.2	7.8	0	0	0	0	0	0	8	21	2	S 81° W	0	0	0	0	0	0	17	14	0	S 65° W	13.5	0.06	0	0.06	14th and 19th		
74	6.3	4.9	0	0	0	0	0	0	3	24	3	W	0	0	0	0	0	0	12	17	1	S 74° W	15.2	0	0	0	..		
53	2.2	0.9	1	7	8	2	1	0	1	5	6	N 6° W	0	1	1	1	0	1	6	17	4	S 33° W	8.6	0	0	0	..		
45	2.0	1.6	3	15	11	0	0	0	0	0	1	N 17° E	0	0	3	1	0	0	5	16	5	N 34° W	5.5	0	0	0	..		
43	1.0	0.9	0	20	10	1	0	0	0	0	0	N 17° E	0	0	3	4	0	1	6	9	3	N 66° W	6.4	0	0	0	..		
60	4.1	3.5	18	69	65	7	3	1	49	127	26	..	1	1	23	17	2	4	138	162	17	..	9.7	0.69	2	0.22	19th July		

Abstract of observations taken at 4 hrs. and 14 hrs. (G.M.T)

Station and height of bar-glass above sea-level in feet.	MONTH.	PRESSURE (REDUCED TO 32° F. AND STANDARD GRAVITY.)		TEMPERATURE OF AIR.								TEMPERATURE WET BULB.		VAPOUR-TENSION IN INCHES OF MERCURY.		Humidity.
		Mean 4 hrs.	Mean 14 hrs.	Mean maximum.	Mean minimum.	Highest maximum.	Date.	Lowest minimum.	Date.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Mashed (3,104)	January . . .	26.018	25.972	40.5	17.9	61.2	20th	-12.1	9th	27.2	32.4	25.6	30.7	.144	.159	8
	February . . .	.115	26.067	85.7	16.2	46.7	26th	2.9	14th	25.0	29.6	24.2	28.3	.125	.142	90
	March . . .	.015	25.954	59.3	29.4	77.2	19th	12.9	1st and 25th	39.8	50.9	37.5	45.0	.194	.233	8
	April . . .	25.942	.885	71.5	42.9	87.7	13th	30.9	7th	54.4	62.5	49.4	54.2	.289	.354	70
	May . . .	.926	.871	74.1	46.9	85.2	30th	40.9	4th	59.3	66.2	54.5	56.8	.377	.358	7
	June . . .	.878	.813	85.1	51.1	97.2	16th	38.9	5th	67.5	77.7	59.4	60.9	.408	.342	61
	July . . .	.757	.694	94.6	57.3	99.2	21st	48.9	27th	70.7	86.2	68.4	64.8	.418	.343	48
	August . . .	.826	.750	91.4	58.2	96.2	2nd	44.4	15th	71.0	82.5	60.9	62.0	.417	.317	55
	September . . .	.966	.894	86.6	44.7	95.2	1st	36.9	6th	63.8	73.7	54.1	57.4	.308	.285	52
	October . . .	26.126	26.039	71.8	38.5	92.2	2nd	18.9	31st	49.2	58.5	43.1	46.2	.208	.217	61
	November . . .	.129	.051	57.2	25.1	76.7	23rd	12.4	23rd	37.3	45.7	33.8	39.8	.151	.177	71
	December . . .	.063	25.995	47.0	21.1	57.2	2nd, 7th and 31st	9.9	27th	30.7	36.4	29.7	34.5	.156	.179	89
Year . . .	25.980	25.916	67.9	36.6	99.2	21st July	-12.1	9th Jan.	50.1	58.5	44.6	48.5	.266	.259	70	

TABLE D-2 FOR 1931—concl'd.

at 15 stations in Persia, etc.

DAY.	CLOUD.			WIND DIRECTION.																	WIND VELOCITY.	RAINFALL.						
	Mean 14 hrs.	Mean 4 hrs	Mean 14 hrs.	Total number of 4 hrs. winds from									Mean wind direction at 4 hrs.	Total number of 14 hrs. winds from									Mean wind direction at 14 hrs.	Mean daily velocity in miles per hr.	Total rainfall.	Number of rainy days.	Heaviest rainfall.	Date.
				Calm.	N	NE	E	SE	S	SW	W	NW		Calm.	N	NE	E	SE	S	SW	W	NW						
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	
84	5.9	5.3	25	0	0	0	6	0	0	0	0	S 45° E	20	0	1	1	8	0	0	0	1	S 58° E	1.4	1.85	5	0.95	7th	
85	6.5	5.4	19	0	1	1	5	0	0	0	2	S 70° E	12	0	0	0	11	3	0	0	2	S 34° E	2.2	1.88	4	0.91	13th	
65	4.9	4.2	24	0	0	0	2	2	0	1	2	S 27° W	22	0	0	0	3	2	0	2	2	S 26° W	1.7	2.59	4	1.60	22nd	
60	5.3	5.9	22	1	0	0	5	0	0	1	1	S 45° E	10	0	2	1	13	4	0	0	0	S 45° E	2.1	2.84	5	0.80	22nd	
57	3.6	5.1	23	0	0	0	4	0	0	3	1	S 23° W	16	2	5	1	5	1	1	1	0	N 74° E	(b) 1.5	2.59	10	0.55	24th	
39	2.2	2.7	28	1	0	0	0	0	0	0	1	S 22° W	9	1	16	1	2	0	0	0	1	N 48° E	1.2	1.63	2	0.94	3rd	
28	0.7	2.0	26	0	0	0	1	0	0	3	1	W	3	2	23	2	1	0	0	0	0	N 47° E	1.5	0.82	1	0.27	24th	
29	1.0	0.8	27	0	0	0	1	1	0	1	1	S 45° W	4	0	23	2	2	0	0	0	0	N 53° E	1.6	0	0	0	..	
85	0.2	0.2	25	0	0	0	3	0	0	1	1	S 16° E	13	0	14	1	2	0	0	0	0	N 55° E	1.0	0	0	0	..	
46	1.6	1.1	24	0	2	0	5	0	0	0	0	S 67° E	14	0	3	1	13	0	0	0	0	S 60° E	1.4	0	0	0	..	
61	5.5	5.1	26	0	0	0	4	0	0	0	0	S 45° E	19	0	1	0	9	0	0	1	0	S 47° E	1.2	1.44	4	0.73	29th	
82	5.1	4.8	18	1	1	2	3	1	0	3	2	E	21	0	0	0	3	2	0	4	1	S 37° W	1.6	1.08	2	0.76	8th	
56	3.4	3.5	237	3	4	5	39	4	0	13	12	..	163	5	88	10	72	12	1	8	7	..	1.5	16.20	27	1.60	22nd Mar.	

(b) Mean of 30 days.

Table D-3.—Abstract of Observations taken at 8 hrs. (local time) at 225 Stations in the year 1931.

ANNUAL TABLE D-3 FOR 1931.

Abstract of 8 hrs. (local time) observations.

Station and height of bar-cistern above sea-level in feet.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		LOUD.	RAINFALL.				
	At 8 hrs. reduced to 32° F. and standard gravity.	Departure normal.	Mean direction at 8 hrs.	Mean velocity in miles per hour.	Mean 8 hrs.		Maximum.			Minimum.			Mean 8 hrs.	Departure normal.	Mean amount 8 hrs.	Total of the year.	Departure normal.	Number of rainy days.	Departure normal.	Heaviest fall during year.
					Dry bulb.	Wet bulb.	Mean.	Departure normal.	Highest during year.	Mean.	Departure normal.	Lowest during year.								
					6	7	8	9	10	11	12	13								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Bay Islands.																				
Port Blair (59)	29-848	-004	..	5-5	80-5	75-3	86-6	-0-5	96	77-4	+0-4	70	77	-7	6-5	93-25	-23-17	140	+1-4	3-05
Lower Burma.																				
Victoria Point (147)	29-792	+006	..	5-4	79-5	75-9	85-7	-0-2	96	75-6	+0-8	69	84	+1	6-4	269-99	+111-12	184	+32-5	6-76
Mergui (66)	29-865	-002	..	..	77-5	75-2	87-1	-0-3	96	74-3	+2-4	64	89	+3	5-8	145-17	-16-07	150	-3-8	6-32
Tavoy (19)	29-918	-002	..	2-1	77-9	74-1	90-2	+2-3	99	72-2(a)	+0-4	59	83	-5	5-6	174-26	-40-48	132	-12-4	6-35
Amherst (71)	29-853	..	..	7-2	79-4	74-7	87-2	..	94	74-4	..	66	80	..	6-1	146-32	..	133	..	4-06
Rangoon (18)	29-896	+001	..	3-2	77-6	74-1	90-9	+1-6	103	73-9	+0-9	63	84	-3	5-5	122-78	+23-70	126	+3-7	5-96
Bassein (27)	29-887	+005	..	3-2	78-6	74-8	90-5	+2-3	102	72-6	0	58	83	-5	5-2	105-40	-3-73	111	-13-8	5-94
Diamond Island (41)	29-855	-008	..	6-4	80-6	76-2	85-7(b)	+0-4	93	77-5	+1-8	71	81	+1	5-4	125-82	+7-92	107	-6-8	6-31
Gwa (11)	29-895	..	..	4-3	76-9	73-3	86-4	..	95	70-7	..	52	87	..	4-7	120-73	..	116	..	6-12
Toungoo (158)	29-759	+013	..	..	76-5	72-2	91-3	+1-3	105	71-1	+0-7	52	81	-5	5-5	69-88	-13-08	103	-11-7	2-74
Kyaukpyu (18)	29-871	+004	..	4-4(a)	80-0(a)	76-6(a)	86-4(a)	+0-8	96	75-6(a)	+1-2	64	85(a)	-1	5-0	182-56	+2-76	126	-4-2	9-10
Akyab (20)	29-867	+002	..	7-3	76-5	73-0	85-8	0	94	71-6	-0-1	54	84	-4	5-8	203-25	-0-18	123	-2-5	10-70
Upper Burma.																				
Minbu (168)	29-715	-009	..	3-5	76-4	73-6	90-4	+1-0	107	72-9	+0-6	70	71	-3	6-6	23-14	-12-24	4	-13-2	2-04
Yamethin (644)	29-252	+011	..	4-1	76-1	70-1	92-0	+0-9	107	70-0	+0-3	51	73	-6	4-2	34-74	-3-28	58	-5-3	2-28
Mandalay (250)	29-631	-006	..	3-2	76-9	71-5	94-0	+1-1	110	73-6	+1-3	52	76	-1	5-7	23-61	-9-55	42	-8-8	1-85
Monywa (286)	29-613	-004	..	2-3	76-4	70-5	93-3	+1-8	111	71-6	+0-4	58	75	-3	4-2	26-49	-4-56	47	+2-9	2-66
Lashio (2,302)	27-112	+005	..	2-4	66-8	63-0	81-8	+0-2	99	61-4	+0-9	41	81	-5	5-1	53-73	-8-14	90	-10-7	2-85
Bhamo (416)	29-496	-001	..	1-7	71-0	68-3	85-8	-0-1	103	66-2	+1-3	42	87	-3	6-7	72-84	+0-83	93	-7-5	3-43
Myitkyina (463)	29-410	+002	..	2-7	70-3	67-7	86-2(a)	+1-4	100	66-5	+0-9	47	85	-2	6-3	80-19	+1-20	112	+6-5	4-70
Assam.																				
Dibrugarh (348)	29-485	-009	..	1-9	69-3	67-3	81-5	+0-7	98	65-8	+0-6	46	91	-1	6-0	123-73	+15-31	138	+3-5	7-96
Sibsagar (333)	29-517	+001	..	3-5	71-1	69-2	83-4	+2-1	100	67-1	+1-4	48	91	-3	7-8	115-07	+19-08	134	+5-5	7-41
Tezpur (258)	29-586	+004	..	2-1	72-4	69-5	84-2	+1-9	99	68-1	+1-1	50	86	-3	6-5	72-18	-2-06	99	-6-1	3-84
Gauhati (196)	29-639	-006	..	1-6	72-2	69-7	84-7	+0-2	98	67-0	+0-7	49	88	0	6-1	76-02	+10-73	95	+2-2	3-97
Dhubri (115)	29-692	-012	..	4-9	72-7	69-7	82-4	-0-4	98	68-9	+0-9	50	86	-1	5-3	95-65	-0-85	106	+11-7	4-73
Shilchar (104)	29-745	+006	..	1-6	73-0	70-4	86-6	+0-5	98	68-1	+0-6	49	88	+1	5-6	116-30	-7-88	142	+5-9	5-14
Bengal.																				
Cox's Bazar (36)	29-786	+007	..	2-9	76-9	73-1	85-4	+0-4	94	70-6	+1-2	53	83	-4	5-3	142-68	-3-09	110	-0-5	7-61
Chittagong (87)	29-740	+005	..	6-5	75-0	71-0	86-7	+1-3	97	70-3	+1-0	51	81	-5	4-8	108-94	+6-21	90	-5-0	5-60
Narayanganj (26)	29-775	-009	..	3-9	76-3	72-3	87-3	+1-1	100	71-3	+0-8	50	82	-3	5-2	83-61	+9-79	100	+6-7	7-18
Barisal (12)	29-791	+002	..	3-5	76-7	73-1	86-6	+0-8	98	71-6	+1-3	52	83	-2	4-9	86-18	+3-87	113	+9-8	4-88
Jessore (26)	29-774	+002	..	3-8	76-1	73-1	86-2	..	104	69-2	..	45	87	+3	4-6	57-75	-8-23	93	+5-0	2-24
Calcutta (21)	29-774	-001	..	3-4	76-2	73-2	88-3	+1-4	103	72-7	+2-0	51	86	+3	4-9	65-38	+2-34	90	+4-8	3-13
Sangor Island (10)	29-773	-008	..	11-1	78-8	75-1	84-6	-0-8	94	74-3	+0-9	53	83	-2	5-9	108-33	+33-97	91	+11-4	6-24
Burdwan (99)	29-684	-012	..	2-7	75-2	71-9	90-0	+1-2	110	70-8	+0-4	49	84	+5	3-5	61-97	+3-34	89	+12-1	3-31
Berhampore (65)	29-739	+006	..	2-6	76-7	72-4	89-9	+2-3	112	70-2	+0-7	46	81	-2	5-0	42-92	-14-19	74	-3-2	3-94
Mymensingh (63)	29-765	+010	..	1-8	74-1	71-1	85-9	+1-1	99	69-4	+0-5	48	85	-2	5-2	84-56	-3-39	98	-7-4	4-07
Dogra (66)	29-748	+007	..	2-6	75-0	71-2	87-2	+1-0	107	69-5	+1-4	48	82	-1	5-9	70-48	-0-49	62	-3-3	4-20
Dinajpur (123)	29-674	-004	..	2-4	73-9	69-7	86-6	+0-6	106	67-6	+0-7	45	80	-3	5-5	51-55	-19-55	72	-7-5	3-35
Jalpaiguri (274)	29-541	+001	..	1-9	72-0	70-3	85-9	+1-6	97	67-0	+0-8	46	91	+5	4-3	145-74	+23-42	123	+19-3	7-90

(a) Mean of 11 months.

(b) Mean of 10 months.

N.B.—Elevations in *italics* indicate barometrical determination.

ANNUAL TABLE D-3 FOR 1931—contd.

Abstract of 8 hrs. (local time) observations.

1	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		LOUD.	RAINFALL.				
	2	3	4	5	Mean 8 hrs.		Maximum.			Minimum.			14	15	16	17	18	19	20	21
					6	7	8	9	10	11	12	13								
Orissa.																				
Balsore (64)	29.733	+0.04	..	4.3	77.4	73.2	88.7	+0.1	112	72.1	+1.6	51	81	0	5.3	62.53	-0.20	81	+3.0	2.63
Chandball (20)	29.734	..	..	5.4	77.8	74.0	89.3	..	112	72.1	..	53	83	..	4.0	63.92	..	70	..	5.03
Cuttack (87)	29.711	+0.01	..	2.4	77.7	73.5	92.1	+1.2	114	72.9	+0.4	58	81	+2	4.8	60.29	+1.02	79	+4.1	4.92
Sambalpur (486)	29.305	+0.06	..	2.9	76.6	70.0	91.5	+1.0	116	70.1	+0.3	46	73	+2	4.5	73.32	+7.59	70	-3.9	9.60
Orissa-Nagpur.																				
Chalbam (733)	29.046	+0.03	..	2.4	75.3	70.1	90.9(a)	+0.4	115	69.5	+1.5	43	76	-1	5.3	51.19	-0.60	76	+1.6	3.03
Banchi (2,152)	27.643	+0.09	..	3.4(d)	73.1	64.8	84.1	-0.1	108	65.7	+0.2	43	63	-1	5.0	61.37	+4.16	96	+15.2	3.35
Bihar.																				
Purnea (124)	29.676	+0.04	..	2.4	73.0	69.1	86.2	-0.3	106	67.0	+0.7	41	82	-3	4.0	63.75	+1.47	78	+7.2	4.31
Darbhanga (177)	29.617	+0.12	..	3.3	74.7	69.5	87.5	+1.5	110	67.4	-0.4	41	76	-4	4.3	47.60	-2.67	40	-19.0	3.25
Patna (173)	29.606	+0.02	..	3.4	75.3	69.0	89.3	+2.0	115	69.9	+1.3	46	71	-1	4.1	38.33	-9.70	50	-6.0	3.34
Gaya (372)	29.413	0	..	2.9	77.7	68.6	91.7	+2.0	117	70.5	+1.6	46	63	-7	3.4	86.57	-10.91	60	+2.0	2.80
Kaya Dumka (469)	29.802	+0.04	..	2.7	75.2	69.7	88.6	+0.9	114	68.4	+0.6	43	73	+2	4.4	60.66	+3.74	74	-3.9	7.78
United Provinces, East.																				
Gorakhpur (257)	29.514	+0.12	..	2.4	74.0	65.3	84.4(c)	+0.5(b)	..	67.4	+0.7	41	75	0	5.4	33.16	+12.03	55	-1.6	3.60
Benares (250)	29.525	+0.09	..	3.9	75.9	67.6	90.7	+1.2	115	63.7	+2.1	41	66	-5	4.4	44.51	+3.96	55	+2.3	3.63
Allahabad (309)	29.470	+0.04	..	3.9	75.7	66.8	91.4	+1.3	117	68.5	+1.7	40	64	-1	4.0	37.00	-2.06	40	-9.0	3.23
Cawnpore (416)	29.356	+0.08	..	1.9	74.6	65.9	91.5	+1.6	117	63.3	+1.9	42	64	-2	2.2	41.98	+6.04	50	+5.5	4.51
Lucknow (368)	29.406	+0.07	..	2.9	74.3	67.0	90.9	+1.2	116	67.4	+1.7	40	69	+1	3.4	32.21	-6.36	53	+4.7	4.12
Bahraich (407)	29.354(a)	+0.13	..	3.1	73.2	67.0	89.4	+1.3	114	66.5	+0.6	40	73	0	2.7	44.44	-0.86	46	-3.7	5.64
United Provinces, West.																				
Jhansi (824)	28.957	+0.16	..	3.9	76.7	64.9	91.8	+0.6	115	68.2	-0.8	41	54	-4	3.5	39.41	+3.24	46	-0.6	3.33
Agra (854)	29.221	+0.10	..	3.9	74.1	63.5	90.2	-0.9	115	65.2	+1.4	38	57	-2	3.2	25.78	-1.12	43	+5.0	2.16
Malapuri (316)	29.254	+0.06	..	2.3	75.1	65.7	91.9	+1.8	117	63.6	-2.0	35	61	-4	3.6	40.30	+13.23	44	+5.4	7.34
Bareilly (568)	29.214	+0.11	..	2.2	72.4	64.9	89.9	+2.4	115	66.4	+1.7	40	66	-5	3.7	46.80	+2.63	52	+5.7	3.07
Roorkhee (399)	28.876	+0.01	..	2.7	69.9	62.6	87.2	+0.8	114	63.1	+0.9	36	69	-2	3.6	35.41	-6.57	49	+1.3	5.58
Dehra Dun (2,239)	27.552	+0.03	..	1.5	65.3	58.6	85.3	+2.1	108	60.4	-0.3	37	63	-2	4.3	67.18	+15.98	35	+4.7	3.24
Punjab, East and North.																				
Delhi (697)	29.682	+0.02	..	3.3	74.1	63.7	90.6	..	115	63.4	..	34	59	..	3.3	22.17	-2.67	31	-3.6	4.51
Hissar (725)	29.056	+0.04	..	3.3	72.1	61.7(b)	90.4	-0.9	113	63.2	-0.9	32	65(b)	+5	2.0	16.47	+2.00	26	+2.2	2.03
Ambala (892)	28.873	+0.03	..	3.1	71.3	62.2	89.5	+1.6	115	64.0	+1.3	37	61	-9	3.5	42.08	+11.59	44	+1.6	5.43
Ludhiana (812)	28.668	+0.04	..	2.1	71.3	61.9	89.0	+1.3	115	62.5	-1.5	38	61	-4	2.9	26.25	-2.46	30	-6.9	6.41
Lahore (702)	29.076	+0.03	..	1.3	70.7	62.6	83.6	-1.2	115	62.0	0	34	69	-1	3.2	27.44	+7.82	32	+5.9	6.46
Sheikot (836)	29.049	+0.07	..	1.9	69.3	61.9	87.5	+0.4	116	62.0	-0.4	33	63	0	3.1	29.36	-1.66	33	-2.3	2.33
Rawalpindi (1,674)	29.176	+0.02	..	2.4	68.3	58.2	85.3	+1.2	113	58.4	+0.7	29	55	-10	3.7	34.10	-0.67	46	-6.2	3.90

(a) Mean of 11 months.

(b) Mean of 10 months.

(c) Mean of 9 months.

(d) Mean of 8 months.

N.B.—Elevations in *italics* indicate barometrical determinations.

ANNUAL TABLE D-3 FOR 1931—contd.

Abstract of 8 hrs. (local time) observations.

Station and height of bar-cistern above sea-level in feet.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.						
	At 8 hrs. reduced to 32° F. and standard gravity.	from normal.	Mean direction at 8 hrs.	Mean velocity in miles per hour.	Mean 8 hrs.			Maximum.			Minimum.			Mean 8 hrs.	from normal.	Mean amount 8 hrs.	Total of the year.	from normal.	Number of rainy days.	from normal.	Heaviest fall during year.	
					Dry bulb.	Wet bulb.	Mean.	Departure normal.	Highest during year.	Mean.	Departure normal.	Lowest during year.	Mean 8 hrs.									Departure normal.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21		
Punjab, South-West.																						
Khushab (612)	29-169	-002	..	4.8	72.4	68.2	89.8	-0.2	115	64.1	+0.4	21	58	+3	2.8	10-16	-4.73	20	-3.0	1.85		
Lyallpur (605)	29-189	+025	..	2.5	71.5	62.0	88-1	-0.6	114	63.6	+0.9	24	58	-7	2.0	20-07	+0.56	26	+2.9	2.67		
Montgomery (558)	29-218	+008	..	2.5	71.7	62.5	89.4	-1.7	114	63.9	-0.3	22	64	+11	1.9	15-44	+4.88	21	+2.9	4.00		
Multan (426)	29-350	+004	..	2.1	75.1	64.2	93.5	+1.8	117	67.1	+1.2	25	54	-8	2.3	2-05	-2.25	7	-5.6	0.34		
Bahawalpur (384)	29-401	..	..	2.7	72.9	64.4	92.8	..	115	64.0	..	20	62	..	2.2	4-09	..	8	..	0.65
Khanpur (297)	29-501	..	..	4.7	73.2	64.7	94.4	..	117	63.9	..	27	61(a)	..	1.8	2-20	..	6	..	1.66
Kashmir.																						
Srinagar (5,204)	24-866	+011	..	2.2	51.0	50.2	69.2	+1.5	97	45.1	+1.4	19	61	-6	5.3	22-14	-3.73	46	-12.6	2.61		
Gulmarg (8,569) . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dras (10,059)	20-793	+022	..	3.2	32.5	..	48.8	-0.6	83	25.3	+4.2	-30	..	..	4.4	27-00	+5.48	65	+9.9	2.60
Leh (11,503)	19-688	+015	..	2.5	38.3	..	56-1(e)	+0.7	81	21.3	+1.7	1	..	..	5.5	8-18	0	12	+2.4	0.32
Shardu (7,505)	22-904	+059	..	1.0	47.8	..	63.1	+0.5	104	42.0	+1.5	10	..	..	5.4	7-30	+0.84	20	+1.6	0.68
Gilgit (4,890)	25-052	-056	..	0.3	56.4	50.3	70.7	-2.2	107	51.8	-0.5	28	65	+13	5.5	6-51	+3.70	27	+11.5	1.00		
North-West Frontier Province.																						
Peshawar (1,164)	28-637	-006	..	2.2	69.6	59.4	86.4	+1.7	112	61.0	+0.7	22	56	+3	4.3	10-22	-3.29	26	+0.1	1.20		
Dera Ismail Khan (570)	29-217	+015	..	2.2	72.5	62.1	89.9	+0.2	113	62.5	-0.1	26	64	-11	2.6	7-02	-2.07	11	-5.3	1.45		
Miranshah (3,089)	26-833	..	..	2.3	66.2	56.1	80.7	..	104	57.4	..	20	52	..	1.0	12-17	..	21	..	2.12
Baluchistan.																						
Fort Sandeman (4,614)	25-248	+011	..	2.1	57.1	53.5(e)	78.4	-2.3	103	52.7	-0.1	21	47(e)	-3	1.6	9-30	-1.34	25	-1.3	2.77		
Quetta (5,405)	24-650	-012	..	4.3	51.4	49.5(e)	74.4	+1.0	103	45.3	-1.8	17	56(d)	+14	2.1	11-04	+1.29	27	+2.6	1.91		
Chaman (4,311)	25-622	-010	..	3.8	61.2	50-1(e)	79.0	+1.0	107	55.5	+1.7	22	38(e)	-10	2.1	7-29	+0.07	20	+0.6	1.41		
Kalat (6,495)	25-694	-007	..	5.7	47.8	..	72.4	-0.5	99	38.2	+1.0	9	..	..	2.0	7-29	+0.75	20	+1.9	1.71
Dalbandin (2,772)	27-037	-007	..	2.4	60.4	53.7	86.2	-1.2	116	53.9	-0.2	19	50(b)	+4	1.2	3-11	-0.72	6	-3.9	1.03		
Sind.																						
Jacobabad (186)	29-592	+003	..	3.5	75.2	63.6	95.1	-0.6	119	66.9	+1.2	26	51	-7	1.3	1-11	-2.57	5	-2.5	0.34		
Hyderabad (96)	29-706	+011	..	4.7	76.7	66.3	94.7	+1.4	116	69.2	+1.0	42	54	-6	1.3	2-01	-3.11	5	-4.6	0.45		
Karachi (13)	29-804	-003	..	3.4	75.5	70.6	84.4	+0.2	100	72.0	+0.6	49	76	+3	2.3	0-73	-0.33	2	-7.3	0.21		
Rajputana, West.																						
Bikaner (762)	29-032	+025	..	4.9	73.3	61.7	91.0	-1.1	112	68.3	-0.6	26	49	-4	1.6	11-20	+0.11	21	+1.5	2.02		
Jodhpur (780)	29-017	-001	..	3.7	75.0	62.9	93.2	+0.9	114	69.2	+1.4	41	48	0	2.6	12-27	+4.65	26	+7.1	2.66		
Rajputana, East.																						
Jaipur (1,431)	28-286	+014	..	2.9	76.3	63.6	90.9	+0.2	114	66.2	+0.5	27	49	-5	2.5	27-42	+3.07	28	+2.3	4.19		
Ajmer (1,611)	28-207	+007	..	5.1	73.9	62.3	88.2	-0.3	110	65.4	+0.2	27	52	-10	2.3	29-06	+0.31	26	0	2.57		
Kotah (845)	28-980	-001	..	2.9	78.1	65.6	93.8	+0.7	116	70.1	+0.1	42	51	+1	2.7	26-05	+3.42	29	+2.2	2.29		
Jhalrapatan (1,652)	28-722	..	..	2.4	74.7	65.0	90.9	..	112	68.9	..	40	50	..	2.5	40-21	..	22	..	4.24

(a) Mean of 11 months. (b) Mean of 10 months. (c) Mean of 9 months. (d) Mean of 8 months.
N.B.—Elevations in *figures* indicate barometrical determinations.

ANNUAL TABLE D-3 FOR 1931—contd.

Abstract of 8 hrs. (local time) observations.

Station and height of bar-cistern above sea-level in feet.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.					
	At 8 hrs. reduced to 32° F. and standard gravity.	Departure normal.	Mean direction at 8 hrs.	Mean velocity in miles per hour.	Mean 8 hrs.			Maximum.			Minimum.			Mean 8 hrs.	Departure normal.	Mean amount 8 hrs.	Total of the year.	Departure normal.	Number of rainy days.	Departure normal.	Heaviest fall during year.
					Dry bulb.	Wet bulb.	Mean.	Departure normal.	Highest during year.	Mean.	Departure normal.	Lowest during year.									
					6	7	8	9	10	11	12	13									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Gujarat.																					
Dasa (466)	29-344	—008	..	6-9	77-7	66-1	96-0	+1-8	116	67-6	+0-7	41	51	-6	3-5	28-92	+4-22	37	+8-8	9-06	
Bhuj (343)	29-461	—012	..	5-7	76-8	67-3	91-9	+0-8	109	69-3	+0-9	43	59	-8	2-6	3-56	-10-83	6	-10-3	1-50	
Dwarka (37)	29-792	—010	..	10-9	78-0	71-9	85-5	+1-1	95	73-8	+0-9	55	73	-4	4-3	13-08	-0-44	0	-7-6	5-55	
Balkot (434)	29-378	—013	..	7-5	75-8	66-8	93-8	+0-9	111	67-7	+1-6	43	61	-4	4-1	18-90	-7-39	28	-8-2	4-35	
Veraval (19)	29-817	+002	..	7-7	77-9	70-6	86-3	+1-5	101	72-3	+1-0	55	68	-3	3-8	20-41	+1-61	29	+3-7	8-96	
Surat (39)	29-790	—009	..	4-3	77-1	70-8	91-6	+0-1	110	71-6	+1-7	58	71	+1	4-7	29-27	-11-70	55	+11-3	7-36	
Bhavnagar (55)	29-777	—006	..	4-3	76-7	67-7	93-3	-0-3	114	69-4	+0-2	44	59	-5	4-2	37-91	+16-71	33	+3-3	9-21	
Ahmedabad (163)	29-664	—005	..	4-0	78-0	67-9	93-8	-0-8	111	71-5	+0-9	53	57	-2	3-7	32-17	+3-34	43	+8-0	4-33	
Central India, West.																					
Nasruch (1,026)	28-194	0	..	5-5	75-1	65-6	88-7	-0-1	110	65-4	+0-9	40	59	+1	3-4	39-40	+10-21	37	+0-8	6-91	
Indore (1,823)	27-992	—008	..	4-0	73-8	63-7	83-0	-0-2	109	65-3	+1-4	41	57	-5	3-7	39-62	+6-50	64	+18-2	3-86	
Bhopal (1,643)	29-170	..	..	3-8	75-3	64-5	89-4	..	111	66-7	..	41	56	..	3-7	52-98	..	66	..	4-11
Central India, East.																					
Nowgong (754)	(a) 29-083	—003	..	2-1	74-3	66-4	(a) 92-8	+3-5	115	65-6	+0-2	37	68	+3	3-8	43-43	+0-69	48	0	3-88	
Batna (1,041)	28-734	—002	..	3-2	74-0	64-7	91-0	+3-0	114	66-3	+0-4	39	59	-3	4-1	36-65	-8-12	59	+4-1	5-40	
Berar.																					
Akola (925)	28-883	—008	..	4-4	76-7	66-2	93-2	0	115	69-8	+2-4	47	57	+1	2-8	36-71	+5-36	62	+16-6	3-11	
Amraoti (1,213)	28-590	—006	..	5-7	76-8	65-8	92-0	-0-1	115	71-3	+2-1	54	57	0	4-8	57-72	+24-67	70	+22-4	4-26	
Central Provinces, West.																					
Khandwa (1,044)	28-761	—010	..	5-6	75-7	65-6	93-0	+0-9	114	68-1	+1-0	41	58	0	2-9	45-89	+16-26	52	+10-6	6-36	
Hoshangabad (992)	28-816	—006	..	2-9	75-6	65-6	91-2	+0-9	113	68-9	+3-4	44	59	0	4-3	70-56	+21-73	67	+11-7	4-58	
Saugor (1,808)	27-986	—005	..	4-7	75-2	62-7	88-8	+0-9	111	67-4	+0-9	42	51	-4	3-7	60-43	+15-48	73	+17-1	4-19	
Jubbulpore (1,827)	28-468	+007	..	2-7	73-5	64-8	89-5	+1-2	112	66-4	+1-8	42	64	-2	3-7	63-83	+8-72	73	+9-3	5-00	
Seoni (2,033)	(a) 27-765	—014	..	3-4	74-8	64-7	87-7	+0-1	111	66-2	+1-6	42	59	-2	3-9	55-86	+2-64	86	+15-8	4-49	
Nagpur (1,017)	28-780	—004	..	3-7	76-5	65-8	92-6	+0-6	117	69-6	+0-8	46	57	-2	4-3	60-47	+11-50	88	+25-2	3-17	
Central Provinces, East.																					
Pendra (2,040)	27-756	—006	..	2-7	74-0	65-4	(a) 84-3	+0-6	106	66-3	+2-3	43	65	+4	4-5	62-73	+12-07	91	+17-6	3-43	
Raipur (970)	29-816	—004	..	3-5	77-3	68-6	91-6	+1-4	117	70-2	+1-1	47	65	+1	4-1	62-51	+11-68	64	+0-7	9-43	
Kanker (1,300)	28-487	..	..	3-7	75-9	68-5	89-9	..	115	68-1	..	43	70	..	4-5	53-70	..	70	..	7-20
Chanda (634)	29-154	—022	..	4-0	77-5	69-2	93-0	+0-2	117	70-8	+2-2	47	59	-6	3-3	57-36	+5-46	70	+7-5	4-08	
Nagdalpur (1,818)	27-928	—012	..	2-7	73-0	67-4	88-1	+0-8	111	66-6	+0-9	45	76	0	4-3	58-83	-1-74	71	-12-1	8-00	

(a) Mean of 11 months.
N. E.—Elevations in fathoms indicate barometrical determinations.

ANNUAL TABLE D.3 FOR 1931—*contd.*

Abstract of 8 hrs. (local time) observations.

Station and height of bar-cistern above sea-level in feet.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLOUDS.	RAINFALL.				
	At 8 hours reduced to 32° F. and standard gravity.	from normal.	Mean direction at 8 hrs.	Mean velocity in miles per hour.	Mean 8 hrs.		Maximum.			Minimum.			Mean 8 hrs.	from normal.		Mean amount 8 hrs.	Total of the year.	from normal.	Number of rainy days.	from normal.	Heaviest fall during year.
					Dry bulb.	wet bulb.	Mean.	Departure from normal.	Highest during year.	Mean.	Departure from normal.	Lowest during year.								
															6							7	8	9	10	11	12	13
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Konkan.																				
Bombay (37)	29.297	-0.13	..	7.1	78.7	73.6	81.8	+1.2	95	74.8	+1.2	53	77	-1	4.3	97.94	+27.31	91	+18.5	9.54
Ratnagiri (207)	29.482	-0.07	..	7.7	79.7	72.4	86.4	-0.8	94	74.1	+0.9	54	80	-3	2.9	151.92	+51.94	112	+19.8	8.16
Marmagao (202)	29.657	+0.10	..	7.6	79.7	74.3	86.3	..	94	75.6	..	56	77	..	5.4	142.86	+47.93	121	+24.7	8.31
Karwar (44)	29.810	-0.04	..	7.7	76.2	73.3	87.0	+0.9	95	73.6	+0.9	51	83	-1	5.1	145.63	+25.51	128	+28.8	9.61
Bombay-Deccan.																				
Malegaon (1,430)	28.393	-0.05	..	4.1	76.0	65.3	91.8	-0.4	111	65.9	+0.6	45	56	-1	5.0	21.90	-0.33	38	+3.5	2.37
Ahmadnagar (2,154)	27.693	-0.06	..	4.6	74.6	64.2	89.0	0	109	65.8	+1.8	46	57	-3	4.3	34.45	+12.12	46	+9.9	6.98
Poona (1,334)	28.014	+0.01	..	3.4	73.6	65.5	88.9	-0.5	108	66.3	+0.6	46	65	0	4.5	26.85	-0.26	53	+5.6	4.70
Sholapur (1,570)	28.262	-0.02	..	3.2	76.9	66.4	92.4	+1.0	111	69.6	+1.3	50	57	+2	2.9	26.06	-2.39	47	+5.7	2.02
Bijapur (1,950)	27.900	+0.05	..	5.0	75.6	66.8	90.4	-0.2	108	69.1	+1.3	52	62	-3	4.8	22.97	+2.07	45	+8.9	2.37
Belgaum (2,562)	27.336	+0.31	..	3.7	71.3	65.6	85.3	+0.7	103	65.3	+1.2	52	73	+2	5.0	55.07	+4.94	94	+13.1	2.65
Hyderabad, North.																				
Aurangabad (1,905)	27.925	-0.26	..	6.8	74.9	64.5	89.7	-0.9	109	67.3	+1.7	49	58	+3	5.2	40.86	+13.33	65	+21.4	2.34
Nizamabad (1,243)	28.569	+0.01	..	2.2	76.6	68.6	92.8	+0.8	115	70.6	+2.0	47	67	+3	3.9	43.27	+3.19	75	+19.3	2.38
Hyderabad, South.																				
Gulbarga (1,503)	28.332	+0.03	..	7.5	76.8	67.5	92.1	-0.7	111	70.8	+1.7	52	62	-1	4.4	26.59	-4.49	59	+10.7	1.63
Baichur (1,311)	28.533	+0.13	..	7.9	79.0	71.8	93.4	+1.0	113	73.5	+1.7	58	69	+5	1.4	25.61	-2.39	44	-0.7	1.30
Hyderabad (1,709)	28.124	+0.14	..	4.4	75.7	68.3	91.6	+0.6	111	69.1	-0.5	49	69	0	5.1	36.02	+3.75	57	+6.0	2.30
Hanamkonda (877)	28.941	+0.08	..	5.1	77.6	70.8	92.1	+0.9	115	72.6	+1.5	53	71	+10	4.5	46.55	+12.13	60	+9.3	4.70
Mysore.																				
Chitaldrug (2,405)	27.465	+0.07	..	5.5	74.2	63.0	88.7	+1.7	107	68.8	+1.3	56	73	+3	5.7	23.33	-1.57	44	-3.1	2.66
Bangalore (3,021)	26.833	+0.06	..	6.1	71.6	66.7	86.5	+1.9	103	65.7	+1.4	53	77	-1	6.4	25.24	-10.13	50	-8.9	2.34
Mysore (2,513)	27.369	-0.01	..	6.0	72.2	67.8	87.3	+1.0	104	67.3	+1.4	55	80	+4	4.6	25.88	-5.52	49	-5.6	2.66
Malabar.																				
Mangalore (72)	29.738	-0.02	..	4.4	79.5	74.9	87.4	-0.1	95	74.9	+0.8	65	80	+2	6.4	140.96	+24.23	134	+17.5	2.25
Calicut (27)	29.339	+0.04	..	4.1	79.6	75.3	89.9	+2.5	95	75.1	+0.6	63	81	-3	6.6	132.20	+15.04	124	+10.1	4.31
Cochin (9)	29.864	+0.03	..	4.4	80.6	75.9	86.1	-1.3	92	76.1	+1.1	63	79	-1	5.9	131.09	+16.53	143	+12.5	4.69
Trivandrum (300)	29.644	-0.13	..	5.4	78.8	75.3	84.8	+0.5	92	76.2	+1.1	69	84	+3	5.5	67.35	+2.74	113	+16.3	2.46

N. B.—Elevations in *italics* indicate barometrical determinations.

ANNUAL TABLE D-3 FOR 1931—concl'd.

Abstract of 8 hrs. (local time) observations.

Station and height of bar-cistern above sea-level in feet.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		Cloud.	RAINFALL.				
	At 8 hours reduced to 32° F and standard gravity.	Departure normal.	Mean direction at 8 hrs.	Mean velocity in miles per hour.	Mean 8 hrs.		Maximum.			Minimum.			Mean 8 hrs.	Departure normal.	Mean amount 8 hrs.	Total of the year.	Departure normal.	Number of rainy days.	Departure normal.	Heaviest fall during year.
					Dry bulb.	Wet bulb.	Mean.	Departure normal.	Highest during year.	Mean.	Departure normal.	Lowest during year.								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Madras, South, East.																				
Pamban (37)	29-808	+005	..	10-0	82-6	77-0	87-4	-0-3	96	78-7	+1-2	72	77	-3	4-4	61-72	+24-72	58	+5-5	7-51
Madura (463)	29-378	-068	..	4-9	81-1	72-3	94-2	+0-5	107	76-1	+1-9	60	66	-5	6-3	35-10	+1-52	48	-1-1	3-25
Negapatam (31)	29-814	+007	..	7-7	82-1	75-5	90-3	+0-1	106	78-1	+1-9	69	78	-3	6-7	67-92	+12-94	51	-4-8	14-44
Tichinopoly (255)	29-592	-002	..	5-1	81-4	74-0	94-0	-0-3	109	76-1	+1-8	64	69	-3	4-6	47-70	+14-52	56	+9-1	5-34
Coimbatore (1,641)	28-509	-063	..	2-6	76-6	71-3	88-5	-1-4	101	71-2	+1-5	61	77	-4	5-9	22-78	+0-49	45	+0-6	2-75
Salem (913)	29-927	-066	..	5-0	78-1	72-6	92-9	-0-1	109	72-9	+1-7	61	75	-2	4-6	40-55	+1-25	63	-0-4	3-89
Cuddalore (42)	29-806	+007	..	4-7	81-7	75-8	90-7	+0-2	106	76-1	+1-3	65	75	-5	5-7	76-48	+23-54	60	+3-6	16-79
Vellore (702)	29-125	-012	..	3-7	78-2	72-1	90-6	-1-3	111	73-4	+1-0	61	74	-3	5-4	51-69	+9-28	64	+7-8	4-78
Madras (23)	29-804	-010	..	6-5	81-8	75-5	90-8	-0-3	108	75-7	+0-7	63	75	-2	5-6	58-53	+7-79	65	+7-7	6-43
Madras-Deccan.																				
Cuddapah (428)	29-417	+010	..	5-6	81-4	73-8	94-3	-1-3	113	75-6	+1-1	59	69	+2	5-1	13-00	-12-33	37	-9-1	2-26
Bellary (1,478)	28-368	+004	..	5-1	78-0	69-4	91-7	-1-6	107	72-2	+1-3	58	65	+4	4-4	12-86	-7-65	25	-10-3	1-92
Kurnool (923)	29-914	+008	..	6-9	78-6	69-3	92-9	-0-9	112	72-9	+1-7	53	63	-3	5-3	25-66	-0-85	43	-3-7	2-54
Madras Coast, North.																				
Vellore (86)	29-755	-004	..	3-7	81-0	74-9	93-1	-0-6	114	76-4	+1-2	64	75	-1	5-5	43-99	+11-01	51	+7-0	9-40
Maulipatam (16)	29-813	-006	..	4-5	80-2	75-1	88-6	-1-9	114	74-9	+0-4	61	78	-3	4-2	47-20	+5-61	68	+13-5	3-91
Cocanada (25)	29-795	+001	..	5-7	80-1	74-6	89-6	+0-3	118	74-7	-0-3	59	76	-2	6-0	55-45	+16-36	68	+9-1	4-26
Vilupatam (126)	29-683	+001	..	4-7	79-5	74-1	86-6	-0-4	104	75-5	+0-1	60	76	+3	5-6	47-46	+10-37	57	+6-1	3-78
Chingapatam (19)	29-789	+001	..	7-1	79-7	75-2	88-4	-0-3	103	74-5	+0-7	59	81	0	4-7	33-34	-10-87	42	-11-1	2-94
Gopalpur (56)	29-745	+005	..	8-5	78-3	74-5	86-5	+0-4	102	73-8	+0-5	57	82	+1	4-5	30-40	-14-56	55	-1-2	3-95
Hill Stations, excluding Kashmir and Baluchistan.																				
Maymyo (3,546)	26-438	+015	..	1-3	66-5	62-9	79-1	+2-4	91	58-5	+2-0	38	82	-4	3-8	40-99	-17-63	77	-13-8	4-35
Shillong (4,920)	26-084	+012	..	2-7	62-7	57-5	70-5	+0-6	81	53-9	+0-5	31	72	-2	5-6	101-29	+17-37	118	-7-6	10-29
Cherrapunji (4,309)	25-640	+009	..	5-4	63-7	59-8	69-4	+0-7	83	58-3	+1-2	42	79	-2	6-0	474-21	+50-14	167	+7-8	21-12
Dudhling (7,432)	22-906	+001	..	3-7	58-1	51-4	59-7	+0-4	74	49-0	+1-3	32	72	-13	5-7	123-24	+0-57	124	+0-8	4-98
Mukteswar (7,562)	22-805	+013	..	5-3	55-0	47-6	63-1	-0-5	84	50-5	+2-6	27	59	-2	4-4	55-37	+3-59	80	-1-3	3-12
Mussorie (6,940)	23-331	..	..	4-4	55-9	49-2	63-7	..	87	51-6	..	29	63	..	4-7	97-10	-12-59	98	-4-2	11-90
Simla (7,224)	23-070	+013	..	1-9	58-1	47-6	62-9	+0-5	85	50-5	+1-3	25	54	+2	6-9	39-08	-24-49	88	+0-8	1-68
Murree	..	..	..	4-2	56-4	48-5	65-3	+0-6	90	49-8	-0-6	20	57	+1	3-2	65-15	+5-30	69	-8-1	8-75
Utrass (4,272)	25-662	+015	..	9-0	61-5	53-6	72-1	-0-5	100	56-6	+0-1	26	51	-1	3-8	25-14	-2-37	38	-4-0	2-64
Peshawar (3,000)	24-417	+023	..	2-8	57-8	50-1	69-7	-0-6	93	48-2	+0-3	12	50	-6	3-9	23-14	-1-33	68	+1-2	1-49
Dera (4,500)	..	..	..	2-3	54-5	49-6	70-4	-2-3	108	50-8	-1-1	21	59	+1	4-2	26-61	+9-86	59	+19-0	3-40
Mount Abu (3,945)	25-984	+006	..	4-7	69-6	57-3	77-0	+1-2	94	62-1	+0-1	43	47	-7	4-1	78-38	+17-62	58	-1-7	7-07
Pichurachi (3,538)	26-389	+013	..	2-7	71-7	61-6	81-0	+1-1	102	61-2	+0-2	38	57	-5	7-0	103-67	+27-15	97	+19-5	8-28
Muzra (3,781)	26-184	+022	..	5-7	66-5	64-8	76-4	+0-1	90	62-5	+1-4	53	89	+4	5-6	142-97	+17-51	148	+18-6	5-16
Rodaknani (7,688)	22-787	+020	..	6-8	59-0	51-5	65-3	+0-4	75	51-9	+2-4	45	63	-5	4-8	70-71	+8-53	115	+8-4	2-84
Obonor (6,780)	24-431	..	..	1-9	64-7	57-7	71-5	..	85	55-0	..	40	66	..	5-1	69-32	..	90	..	6-10
Ceylon.																				
Colombo (24)	29-849	+001	..	4-5	77-6	75-1	86-4	-0-7	92	75-4	+0-2	68	88	+3	6-8	103-70	+19-54	158	+41-0	4-23

(a) Mean of 11 months.

(b) Mean of 10 months.

(c) Mean of 7 months.

N; B.—Elevations in italics indicate barometrical determinations.

MONTHLY AND ANNUAL TABLE D-3 FOR 1931.

Abstract of 8 hrs. (local time) observations.

Station and height of bar-cistern above sea-level in feet.	MONTH.	PRESSURE.		WIND.		TEMPERATURE.							HUMIDITY.		CLLOUD	RAINFALL.					
		At 8 hrs. reduced to 32° F. and standard gravity.	Departure from normal.	Mean direction at 8 hrs.	Mean velocity in miles per hour.	Mean 8 hrs.		Maximum.			Minimum.		Mean 8 hrs.	Departure from normal.	Mean amount 8 hrs.	Total of the month or year.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest month or year.	
						Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month or year.	Mean.	Departure from normal.									Lowest in month or year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Table Island (Bay Islands) (105)	January . . .																				
	February . . .									Data not available.											
	March . . .																				
	April . . .	29.737	-.014	N 89° W	(b) 4.5	86.2	78.7	91.3	+2.0	98.1	80.2	+0.7	77.1	70	-5	3.4	0	-0.63	0	-1.1	0
	May . . .	.640	-.026	S 28° W	9.8	85.9	80.8	90.0	+1.2	94.2	80.9	+1.1	75.5	78	-3	5.8	3.08	-5.67	9	-1.7	0.63
	June . . .	.580	-.031	S 24° W	14.6	83.1	79.9	86.7	+1.1	90.6	78.8	+0.9	72.6	87	-2	8.0	11.86	-3.24	13	-3.8	3.63
	July . . .	.618	+0.012	S 26° W	16.0	81.7	80.2	84.3	-0.3	86.7	76.9	-0.4	73.4	93	+2	8.8	9.88	-3.63	18	+0.4	2.01
	August . . .	.546	-.092	S 36° W	18.7	81.2	80.2	84.1	-0.1	87.8	76.8	-0.7	74.0	96	+5	9.5	25.02	+13.55	26	+9.8	4.83
	September . . .	.655	-.012	S 37° W	9.5	81.1	78.7	85.3	+0.9	87.5	77.9	+0.7	74.6	85	-3	6.5	6.13	-5.21	13	-2.6	1.24
	October . . .	.710	-.026	S 17° E	7.7	81.2	77.6	84.9	-0.5	87.0	77.4	-0.4	74.4	85	+1	5.9	15.06	+8.57	16	+5.8	5.00
	November . . .	.791	+0.016	N 39° E	6.6	81.3	75.7	84.7	-0.2	86.0	77.3	-0.5	74.2	77	-4	5.0	0.10	-5.55	1	-5.8	0.10
	December . . .	.787	-.027	N 34° E	7.8	80.1	73.9	84.1	+0.8	86.9	77.0	+0.4	70.9	74	-1	5.1	0.13	-2.24	0	-2.3	0.05
	Year* . . .	29.674	-.022	..	10.6	82.4	78.3	86.1	+0.5	94.2	78.1	+0.2	70.9	83	-1	6.4	71.26	-4.05	96	-1.3	5.00
P. V. Fraser (Bay Islands) (8)	January . . .	30.001	-.019	N 16° W	..	74.5	68.6	..	..	..	..	..	..	72	-1	1.9	0	-0.20	0	-0.7	0
	February . . .	29.956	-.007	N 14° W	..	75.9	69.3	..	..	..	..	..	..	70	-3	1.9	0.42	-0.24	1	-0.1	0.40
	March . . .	.895	+0.013	S 65° W	..	81.0	76.2	..	..	..	..	..	..	78	-4	2.5	0.93	+0.17	2	+0.8	0.50
	April . . .	.761	-.038	S 41° W	..	83.0	79.6	..	..	..	..	..	..	85	0	4.0	0.32	-0.48	1	-0.4	0.30
	May . . .	.669	-.022	S 26° W	..	85.5	(b) 81.4	..	..	..	..	..	..	83	-2	5.4	2.91	+0.70	3	-1.0	1.91
	June . . .	.535	-.017	S 24° W	..	86.0	82.3	..	..	..	..	..	..	85	-1	6.2	1.57	-6.35	5	-5.7	0.48
	July . . .	.539	+0.002	S 49° W	..	82.9	80.5	..	..	..	..	..	..	89	+1	8.6	18.60	+10.88	14	+3.6	5.50
	August . . .	.451	-.124	S 45° W	..	83.1	80.5	..	..	..	..	..	..	89	+1	7.3	10.75	+2.96	15	+3.9	2.16
	September . . .	.674	-.016	S	..	84.7	80.4	..	..	..	..	..	..	81	-5	7.3	3.50	-1.31	7	-1.3	1.26
	October . . .	.800	-.040	N 55° E	..	81.7	77.7	..	..	..	..	..	..	83	+3	6.3	18.54	+15.05	13	+8.2	6.11
	November . . .	.944	+0.016	N 37° E	..	78.8	70.2	..	..	..	..	..	..	63	-7	2.9	3.96	+1.71	3	+0.3	1.69
	December . . .	.671	-.046	N 16° E	..	73.4	65.4	..	..	..	..	..	..	61	-5	3.5	0	-0.82	0	-0.3	0
	Year . . .	29.766	-.025	..	..	80.9	76.0	..	..	..	..	..	..	78	-3	4.8	61.50	+22.02	64	+7.8	6.11

(b) Mean of 29 days.

(*) Mean of 9 months.

MONTHLY AND ANNUAL TABLE D-3 FOR 1931—contd.

Abstract of 8 hrs. (local time) observations.

1	2	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLLOUD	RAINFALL.				
		3	4	5	6	Mean 8 hrs.		Maximum.			Minimum.			15	16	17	18	19	20	21	22
						7	8	9	10	11	12	13	14								
		At 8 hrs. reduced to 32° F. and standard gravity.	Departure normal.	Mean direction at 8 hrs.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month or year.	Mean.	Departure from normal.	Lowest in month or year.	Mean 8 hrs.	Departure normal.	Mean amount 8 hrs.	Total of the month or year.	Departure normal.	Number of rainy days.	Departure normal.	Highest fall in month or year.
Haka (Burma) (6,100).	January . . .																				
	February . . .									Started											
	March . . .									in April.											
	April . . .	24-156	..	S 43° W	9.7	65.4	54.1	78.3	..	84	58.3	..	50	49	..	2.5	1.00	..	8	..	0.35
	May . . .	.096	..	S 51° W	8.5	63.2	57.1	73.5	..	84	56.9	..	51	71	..	4.1	5.96	..	12	..	1.21
	June . . .	.029	..	S 62° W	7.1	65.7	60.8	75.1	..	85	60.1	..	53	78	..	5.5	11.93	..	14	..	2.79
	July . . .	.007	..	S 67° W	7.2	63.7	62.2	71.3	..	75	60.7	..	58	91	..	8.6	8.24	..	17	..	1.10
	August . . .	23.983	..	N 47° W	4.4	63.7	62.9	69.7	..	76	61.5	..	59	96	..	7.9	28.03	..	24	..	2.37
	September . . .	24.106	..	N 41° W	(h) 4.9	62.2	61.1	69.2	..	76	59.6	..	58	94	..	7.6	17.95	..	21	..	2.30
	October . . .	.185	..	N 9° E	..	59.2	58.4	66.9	..	73	56.7	..	51	93	..	7.4	5.21	..	11	..	1.11
	November . . .	.192	..	S 22° E	..	46.8	44.7	63.7	..	71	44.4	..	37	86	..	1.3	2.48	..	3	..	1.54
	December . . .	.175	..	S 10° W	..	45.9	42.3	59.9	..	65	42.1	..	36	76	..	3.2	2.22	..	4	..	0.87
Year (z) . . .	24-103	..	..	(u) 7.0	59.5	55.9	69.7	..	85	55.6	..	36	81	..	5.3	83.02	..	109	..	2.79	
Kanpetlet (Burma) (6,274).	January . . .																				
	February . . .																				
	March . . .									Started											
	April . . .									in May.											
	May . . .	23-931	..	..	..	68.4	59.1	73.8	..	82	60.0	..	55	58	..	4.6	8.76	..	15	..	1.75
	June . . .	.856	..	..	..	68.8	62.6	72.7	..	76	62.1	..	59	71	..	6.4	7.45	..	13	..	1.62
	July . . .	.834	..	..	..	66.2	62.6	70.4	..	73	61.0	..	56	83	..	6.2	11.23	..	15	..	2.18
	August . . .	.802	..	..	..	66.7	64.0	69.6	..	73	60.9	..	59	87	..	7.1	21.51	..	27	..	2.05
	September . . .	.936	..	..	..	65.0	62.1	69.8	..	71	59.4	..	57	85	..	6.6	19.08	..	22	..	3.70
	October . . .	24-009	..	..	..	62.1	59.6	66.1	..	70	56.6	..	54	87	..	6.9	15.78	..	22	..	1.60
	November . . .	.021	..	..	..	56.4	52.1	60.9	..	65	47.2	..	42	76	..	5.0	2.94	..	6	..	0.77
	December . . .	.001	..	..	..	54.6	48.8	60.6	..	67	45.5	..	39	67	..	5.1	3.20	..	4	..	2.20
Year (w) . . .	23-924	..	..	..	63.5	58.9	67.9	..	82	56.6	..	39	77	..	6.0	90.00	..	124	..	3.70	

(h) Mean of 23 days.

(z) Mean of 9 months.

(u) Mean of 8 months.

(v) Mean of 6 months.

MONTHLY AND ANNUAL TABLE D-3 FOR 1921—contd.

Abstract of 8 hrs. (local time) observations.

1	2	PRESSURE.		WIND.		TEMPERATURE.							HUMIDITY.		3	RAINFALL.					
		At 8 hrs. reduced to 32° F. and standard gravity.	from normal.	Mean direction at 8 hrs.	Mean velocity in miles per hour.	Mean 8 hrs.		Maximum.			Minimum.		Mean 8 hrs.	from normal.	Mean amount 8 hrs.	Total of the month or year.	from normal.	Number of rainy days.	from normal.	in heaviest month or year.	
						Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month or year.	Mean.	Departure from normal.									Lowest in month or year.
Srimangal (Assam) (79).																					
January	29-967	-014	E	..	58.4	57.1	80.4	-0.2	85	50.5	+2.7	44	91	-1	1.9	0	-0.49	0	-1.0	0	
February	925	+027	S 27° W	..	63.8	60.8	81.9	-1.3	91	54.6	+2.9	43	83	-5	3.4	0.47	-1.08	1	-1.8	0.34	
March	868	+033	S 48° E	..	70.0	65.5	91.0	+1.9	98	60.2	-0.7	48	77	-7	3.2	1.15	-3.10	3	-2.5	0.63	
April	758	+010	S 52° E	..	78.7	74.1	93.3	+2.6	101	71.0	+2.5	68	80	-5	5.9	11.62	+0.90	12	+0.4	2.20	
May	689	+035	S 83° E	..	75.2	73.1	87.3	-3.9	97	70.7	-1.3	68	90	+5	7.2	19.57	+4.61	22	+7.9	1.91	
June	564	+028	S 54° E	..	81.9	78.7	91.3	+1.1	98	77.0	+1.7	70	87	0	6.7	13.54	-3.51	14	-6.1	2.56	
July	545	+008	S 50° E	..	80.4	77.8	89.1	-1.2	94	76.7	+0.5	73	89	+1	8.1	9.85	-6.62	19	-2.7	1.91	
August	509	-068	S 66° E	..	82.3	79.5	92.0	+1.7	95	77.7	+1.7	73	87	-2	4.4	16.18	+3.94	18	-2.6	4.62	
September	602	+023	S 68° E	..	80.9	78.3	89.9	-0.9	94	76.1	+1.1	74	89	+1	5.9	5.62	-6.22	11	-5.2	1.21	
October	805	+022	S 63° E	..	78.6	76.0	88.9	-0.7	95	73.7	+3.6	70	89	+1	5.7	8.41	+1.59	12	+3.6	1.76	
November	914	+040	N 16° E	..	68.9	66.1	83.4	-3.2	89	59.9	+0.5	54	85	-5	1.1	3.82	+2.91	2	+0.9	2.94	
December	930	-009	N	..	60.9	59.9	80.8(a)	-0.1	84	53.5(a)	+4.8	45	94	+2	1.9	0	-0.23	0	-0.6	0	
Year	29-764	+012	..	..	73.3	70.5	87.4	-0.4	101	66.8	+1.7	43	87	-1	4.6	90.23	-3.20	114	-9.7	4.62
Neakhal (Bengal) (22).																					
January	29-996	+002	N 11° E	3.1	63.7	61.6	80.5	+2.6	83	60.3	+6.8	57	89	+1	3.2	0	-0.27	0	-0.6	0	
February	955	+008	N 7° E	3.0	66.9	63.6	82.7	+1.9	90	63.0	+5.1	53	82	-3	1.9	0.22	-0.91	1	-0.8	0.13	
March	904	+035	N 45° E	3.3	74.9	70.2	83.5	+2.1	95	69.6	+1.9	60	79	-5	3.9	0.52	-2.18	2	-1.4	0.24	
April	790	0	S 10° E	6.4	82.5	78.1 (a)	89.7	+1.2	96	77.9	+4.2	68	84	0	4.9	0.06	-4.24	4	-2.3	0.75	
May	707	+006	S 51° E	4.6	81.2	72.9	87.5	-1.6	93	75.5 (a)	-0.4	66	85	+3	6.6	12.52	+1.12	16	+5.4	2.20	
June	589	+005	S 32° E	7.0	84.4	81.1	89.2	+2.3	94	79.9	+2.6	72	85	-3	7.4	10.42	-11.07	16	-2.6	1.45	
July	528	+012	S 7° E	7.9	80.9	79.0	85.7	-0.1	90	73.3	+0.6	76	91	+1	8.6	19.89	-4.46	26	+3.4	4.78	
August	527	-037	S 37° E	8.0	81.7	79.3	87.3	+1.7	89	79.4	+2.0	77	89	-1	8.6	15.58	-10.63	23	-0.4	2.34	
September	721	+008	S 43° E	4.9	81.6	79.3	87.2	+0.6	92	79.1	+1.6	75	89	-1	7.7	11.58	-5.05	10	-5.9	2.24	
October	840	+003	N 59° E	3.2	80.0	77.4	87.0	+0.7	91	76.8	+2.9	73	89	+1	5.9	4.32	-4.64	10	+2.4	0.81	
November	958	+023	N 9° E	3.0	72.0	69.5	82.7	-0.3	87	67.0	+2.7	62	83	-4	2.7	0.39	-1.25	1	-0.8	0.84	
December	922	-019	N 2° W	3.0	65.2	62.6	80.4	+3.4	84	61.2	+6.3	55	86	-1	2.6	0.01	-0.27	0	-0.4	0.61	
Year	29-794	-001	..	4.8	76.3	73.2	85.7	+2.1	96	72.3	+3.0	53	86	-1	5.6	77.51	-43.40	109	-4.0	4.78	

(a) Mean of 30 days.

MONTHLY AND ANNUAL TABLE D-3 FOR 1931—contd.

Abstract of 8 hrs. (local time) observations.

Station and height of barometer above sea-level in feet.	MONTH.	PRESSURE.		WIND.		TEMPERATURE.							HUMIDITY.		CLLOUD.	RAINFALL.					
		At 8 hrs. reduced to 32° F. and standard gravity.	from normal.	Mean direction at 8 hrs.	Mean velocity in miles per hour.	Mean 8 hrs.		Maximum.			Minimum.			Mean 8 hrs.	from normal.	Mean amount 8 hrs.	Total of the month or year.	from normal.	Number of rainy days.	from normal.	Heaviest in month or year.
						Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month or year.	Mean.	Departure from normal.	Lowest in month or year.								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Midnapore (Bengal) (149).	January . . .	29-862	+005	N 7° W	1-8	62.5	58.4	88.4	+2.6	90	58.4	+2.4	52	77	+6	2-8	0.20	-0.26	1	+0.1	0.20
	February . . .	.857	+021	S 82° E	2-6	66.7	63.0	88.4	-2.1	92	62.5	+1.4	52	81	+13	4-0	5.99	+4.79	6	+4.2	2.60
	March . . .	.763	+042	S 23° W	2-5	74.8	69.3	92.3	-2.4	102	68.9	-0.4	60	74	+7	4-0	1.54	+0.11	3	+0.5	0.60
	April . . .	.616	-005	S	4-0	82.8	78.9	103.4	+2.8	112	77.4	+1.5	73	75	+5	3-4	0.77	-1.10	2	-1.5	0.46
	May . . .	.512	-005	S 6° E	4-8	85.1	78.6	99.5	0	109	78.8	+0.6	72	74	0	4-6	3.69	-1.63	7	-0.3	1.21
	June . . .	.400	-007	S 9° E	4-3	86.4	82.4	100.3	+6.9	114	81.3	+2.5	75	84	+2	6-5	3.50	-7.00	6	-7.0	1.27
	July . . .	.394	+016	S	2-8	81.7	78.9	88.5	-1.6	96	78.6	-0.2	76	87	+2	9-1	38.83	+6.30	18	+2.1	4.09
	August . . .	.336	-089	S 49° E	2-5	82.7	80.2	89.6	+0.2	94	80.1	+1.8	76	89	+2	8-8	6.73	-5.49	15	-1.4	1.05
	September . . .	.559	+016	S 38° E	2-2	83.3	80.0	90.1	+0.4	95	79.1	+1.2	77	85	-1	7-4	6.92	-1.88	13	+0.8	1.39
	October . . .	.702	+003	N 54° E	2-2(a)	77.9	75.8	86.9	-2.5	93	74.7	+1.3	69	91	+11	6-9	7.38	+3.74	10	+4.6	2.50
	November . . .	.637	+022	N 31° E	1-3	67.6	64.8	83.2	-1.4	89	63.2	-0.3	57	84	+13	3-4	1.27	+0.39	2	+0.9	1.09
	December . . .	.868	-016	N 15° W	1-4	61.3	57.8	79.6	-0.1	84	56.1	+0.9	49	80	+12	2-7	0	-0.25	0	-0.3	0
Year . . .	29-642	+002	..	2-7	76.1	72.2	90.0	+0.2	114	71.6	+1.1	49	82	+6	5-3	56.82	-2.23	88	+2.7	4.09	
Khulna (Bengal) (16).	January . . .	29-006	..	N	1-4	64.3	61.0	81.9	..	88	57.8	..	53	81	..	1-9	0.01	..	0	..	0.01
	February . . .	29-972	..	N 45° W	1-2	67.7	63.3	83.1	..	91	61.6	..	50	77	..	2-3	3.07	..	4	..	1.76
	March . . .	.908	..	Calm	1-1	75.2	70.3	90.9	..	98	67.5	..	57	77	..	3-1	1.98	..	2	..	1.02
	April . . .	.769	..	S 5 W	1-1	82.3	78.3	94.6	..	99	76.8	..	67	83	..	4-6	0.85	..	2	..	0.62
	May . . .	.661	..	S 27° E	3-0	83.5	78.9	91.7	..	96	76.9	..	68	81	..	6-3	9.75	..	9	..	2.13
	June . . .	.566	..	S 3° E	0-9	85.6	81.9	92.5	..	97	80.5	..	71	84	..	6-5	6.57	..	12	..	2.66
	July . . .	.551	..	S 3° E	3-2	82.4	79.6	87.5	..	91	78.5	..	75	87	..	3-7	18.87	..	26	..	2.14
	August . . .	.500	..	S 50° E	4-7	83.0	80.1	88.7	..	93	79.7	..	75	87	..	3-6	13.48	..	21	..	4.36
	September . . .	.712	..	S 35° E	3-6	82.3	80.0	89.0	..	94	78.8	..	75	85	..	7-7	8.89	..	15	..	1.41
	October . . .	.845	..	N 55° E	3-0	80.9	77.7	87.3	..	83	76.4	..	72	87	..	6-5	8.52	..	11	..	2.36
	November . . .	.969	..	N 14° E	3-0	73.0	68.6	82.4	..	86	65.4	..	59	79	..	3-2	1.99	..	2	..	0.82
	December . . .	.992	..	N 20° W	2-3	65.1	61.1	79.4	..	88	58.5	..	51	78	..	2-1	0.05	..	0	..	0.05
Year . . .	29-789	..	..	2-2	77.2	73.4	87.4	..	99	74.5	..	50	82	..	3-1	79.13	..	104	..	4.36	

(a) Mean of 30 days.

MONTHLY AND ANNUAL TABLE D-3 FOR 1931—contd.

Abstract of 8 hrs. (local time) observations.

1	2	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLLOUD	RAINFALL.				
		3	4	5	6	Mean 8 hrs.		Maximum.			Minimum.			15	16	17	18	19	20	21	22
						7	8	9	10	11	12	13	14								
Station, and height of bar-cistern above sea-level in feet.	MONTH.	At 8 hrs. reduced to 32° F and standard gravity.	Departure from normal.	Mean direction at 8 hrs.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month or year.	Mean.	Departure from normal.	Lowest in month or year.	Mean 8 hrs.	Departure from normal.	Mean amount 8 hrs.	Total of the month or year.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month or year.
Satkhira (Bengal).	January . . .	30.008	..	N 6° W	1.5	80.0	58.6	83.6	..	89	54.6	..	49	91	..	1.4	0.02	..	0	..	0.7
	February . . .	29.972	..	N 30° E	2.1	84.3	82.6	84.4	..	93	59.6	..	46	89	..	2.3	2.08	..	6	..	0.72
	March . . .	.901	..	S 82° W	2.4	75.9	70.9	92.6	..	99	66.5	..	56	77	..	2.5	1.11	..	1	..	1.03
	April . . .	.759	..	S 36° W	4.3	83.9	79.2	96.7	..	104	76.7	..	65	81	..	4.3	5.78	..	3	..	3.87
	May . . .	.668	..	S 9° W	4.5	84.7	80.2	93.8	..	99	76.8	..	67	81	..	6.2	14.63	..	10	..	2.39
	June . . .	.556	..	S 13° W	3.6	86.5	82.6	95.0	..	101	80.2	..	72	84	..	5.5	7.31	..	11	..	1.38
	July . . .	.546	..	S 32° W	3.2	82.4	80.2	88.6	..	92	78.2	..	75	91	..	8.4	16.50	..	20	..	2.05
	August . . .	.491	..	S 35° E	3.3	82.8	80.7	89.5	..	94	79.2	..	76	91	..	8.8	12.34	..	24	..	3.14
	September . . .	.703	..	S 45° E	2.2	83.7	80.5	90.3	..	94	78.6	..	73	87	..	7.3	6.21	..	10	..	1.42
	October . . .	.840	..	N 45° E	2.0	79.9	77.6	88.4	..	95	75.3	..	69	89	..	6.7	6.79	..	12	..	1.73
	November . . .	.972	..	N 18° E	1.3	69.5	67.9	84.0	..	89	63.8	..	58	92	..	3.0	2.45	..	4	..	1.36
	December . . .	.997	..	N 4° W	1.2	61.3	59.6	80.9	..	84	55.9	..	47	91	..	1.8	0.08	..	0	..	0.68
Year . . .	29.784	..	..	2.6	76.3	73.4	89.0	..	104	70.4	..	46	87	..	4.8	75.30	..	101	..	3.87	
Asansol (Bengal) (414).	January . . .	29.605	..	..	..	63.1	56.2	80.2	+2.1	86	55.2	+1.3	51	76	+1	2.7	0.12	-0.38	1	-0.2	0.12
	February . . .	.551	..	(g) N 84° W	(g) 3.8	64.4	60.6	78.9	-3.5	91	59.9	+2.4	48	78	+10	4.8	3.93	+3.03	9	+7.3	1.40
	March . . .	.482	..	N 87° W	3.7	71.8	63.3	90.2	-3.1	104	64.0	-2.6	56	60	+2	3.0	0.64	-0.56	2	-0.2	0.37
	April . . .	.321	..	S 17° W	3.8	82.8	73.7	104.5	+2.7	111	75.5	+0.5	67	64	+2	2.6	1.29	-0.08	1	-1.6	1.21
	May . . .	.233	..	S 33° E	5.7	84.0	77.8	101.8	+0.2	113	77.5	-0.3	72	78	+1	4.5	2.77	-1.27	3	-2.3	1.75
	June . . .	.122	..	S	5.1	86.9	78.0	102.9	+7.4	114	81.0	+2.1	76	69	-14	5.1	2.67	-7.35	7	-5.5	0.70
	July . . .	.112	..	S 17° W	4.0	81.3	78.5	89.6	-0.6	97	77.9	-0.4	75	87	-2	7.3	20.69	+8.73	20	+4.0	6.60
	August . . .	.072	..	S 63° E	4.1	82.3	79.9	89.1	-0.2	92	79.1	+1.1	77	89	-2	7.6	8.87	-2.47	18	+2.0	1.43
	September . . .	.280	..	S 24° E	3.3	81.8	78.7	89.4	-0.4	93	77.8	+0.5	76	87	-2	6.6	10.05	+1.72	13	+1.5	2.50
	October . . .	.437	..	N 31° E	3.0	77.9	74.8	87.5	-1.7	93	73.2	+1.3	66	86	+3	5.6	3.98	+1.26	4	+0.1	2.41
	November . . .	.567	..	N 63° W	3.0	66.8	63.1	82.9	-0.9	88	60.7	-0.5	55	81	+4	2.3	2.06	+1.51	2	+1.2	1.30
	December (a) . . .	.600	..	N 76° W	3.1	60.5	56.1	79.0	+0.8	84	54.6	+1.1	47	74	0	1.4	0.16	+0.06	1	+0.8	0.15
Year . . .	29.365	..	..	(2) 3.9	75.1	70.1	89.6	+0.3	114	69.7	+0.5	47	77	0	4.5	57.23	+4.20	81	+7.1	6.60	

(a) Mean of 30 days.

(g) Mean of 14 days.

(c) Mean of 11 months.

MONTHLY AND ANNUAL TABLE D-3 FOR 1931—contd.

Abstract of 8 hrs. (local time) observations.

1	2	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		LOUD.	RAINFALL.				
		3	4	5	6	Mean 8 hrs.		Maximum.			Minimum.			15	16	17	18	19	20	21	22
						7	8	9	10	11	12	13	14								
Station and height of barometer above sea-level in feet.	MONTH.	At 8 hrs. reduced to 32° F and standard gravity.	Departure normal.	Mean direction at 8 hrs	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month of year.	Mean.	Departure from normal.	Lowest in month of year.	Mean 8 hrs.	Departure normal.	Mean amount 8 hrs.	Total of the month of year.	Departure normal.	Number of rainy days.	Departure normal.	Highest fall in month of year.
Kalkmpong (Bengal) (4438).	January . . .	26-065	..	N 51° W	6.4	51.4	49.3	60.6	..	65	48.7	..	46	87	..	3.6	0.05	..	0	..	0.03
	February . . .	.000	..	N 50° W	6.8	53.0	50.1	61.0	..	70	48.3	..	43	81	..	3.4	0.37	..	2	..	0.19
	March . . .	.010	..	N 61° W	8.0	59.5	52.8	69.1	..	80	55.0	..	46	64	..	2.5	0.41	..	1	..	0.32
	April . . .	25-956	..	N 45° W	8.3	65.2	60.9	73.7	..	78	60.6	..	51	77	..	2.2	4.61	..	9	..	1.00
	May . . .	.920	..	S 37° W	7.3	66.7	63.9	72.7	..	78	61.5	..	55	85	..	4.3	7.06	..	14	..	1.53
	June . . .	.829	..	S 76° E	6.4	70.7	68.6	76.4	..	87	66.6	..	60	90	..	5.1	8.23	..	11	..	1.89
	July . . .	.751	..	S 45° E	4.5	69.5	69.0	73.9	..	77	67.2	..	66	97	..	8.4	27.63	..	27	..	2.96
	August . . .	.768	..	N 45° W	5.2	71.9	70.5	76.9	..	82	68.2	..	67	93	..	7.1	17.63	..	18	..	4.03
	September . . .	.900	..	N 34° W	5.5	68.3	67.7	73.3	..	77	65.6	..	62	97	..	7.9	24.13	..	22	..	5.60
	October . . .	26-029	..	N 55° W	5.9	66.8	63.6	74.0	..	78	62.0	..	57	85	..	2.9	2.54	..	4	..	1.16
	November . . .	25-991	..	N 51° W	6.1	58.8	55.6	66.3	..	70	53.7	..	51	83	..	2.5	0.59	..	1	..	0.59
	December . . .	26-063	..	N 45° W	6.2	52.5	48.6	62.8	..	67	43.1	..	44	75	..	2.4	0	..	0	..	0
Year . . .	25-940	..	..	6.4	62.9	60.1	70.1	..	87	58.8	..	48	84	..	4.4	93.25	..	109	..	5.60	
Puri (Orissa) (40).	January . . .	29-991	-011	N 2° W	6.2	68.6	62.9	82.6	+2.3	89	64.9	+1.4	60	72	-11	1.7	0	-0.30	0	-0.5	0
	February . . .	.944	+003	N 14° W	8.5	74.0	69.9	82.3	-0.9	85	70.1	+1.0	63	81	0	3.4	0.27	-0.59	1	0	0.19
	March . . .	.880	+021	S 48° W	12.7	80.6	76.4	86.1	-0.4	92	77.6	+2.3	70	82	-1	4.2	0.09	-0.46	0	-1.1	0.69
	April . . .	.757	-011	S 37° W	14.6	81.4	79.0	85.5	-2.3	88	79.3	+0.7	75	89	+4	5.4	0	-0.63	0	-1.3	0
	May . . .	.650	-010	S 21° W	16.0	84.3	81.3	88.2	-1.7	92	81.1	+0.3	69	87	+2	6.1	3.42	+0.59	4	+0.6	1.43
	June . . .	.523	-009	S 23° W	12.6	86.7	82.5	90.2	+1.2	93	83.7	+3.1	78	84	-1	8.2	2.19	-5.12	3	-5.1	1.26
	July . . .	.545	+018	S 47° W	14.4	83.7	80.1	87.2	-0.5	97	80.3	+0.5	75	85	-1	8.6	6.16	-3.87	8	-3.9	2.09
	August . . .	.489	-081	S 60° W	11.7	83.4	80.0	87.5	-0.3	96	80.6	+1.1	77	85	-1	8.5	13.66	+1.35	13	0	4.53
	September . . .	.656	-015	S 18° W	8.5	83.5	80.0	88.2	-0.7	90	80.5	+0.3	77	85	+1	6.8	9.79	+0.96	14	+2.5	2.27
	October . . .	.787	-036	N 13° E	8.3	80.1	77.0	85.8	-3.4	90	77.0	-0.1	74	87	+5	6.4	17.31	+10.47	19	+11.9	3.17
	November . . .	.954	+015	N 15° E	4.6	73.2	69.2	83.8	-1.1	87	69.2	0	64	81	+2	2.6	3.55	-0.17	3	+0.6	2.46
	December . . .	.933	-025	N 8° E	5.9	67.0	61.7	80.4	-0.3	83	63.1	+1.0	60	72	-6	2.1	0.06	-0.24	0	-0.4	0.06
Year . . .	29-764	-011	..	10.3	78.9	75.0	85.7	-0.6	97	73.6	+1.0	60	88	0	5.3	56.80	+1.94	65	+3.3	4.53	

MONTHLY AND ANNUAL TABLE D-3 FOR 1931—contd.

Abstract of 8 hrs. (local time) observations.

1	2	PRESSURE.		WIND.		TEMPERATURE.							HUMIDITY.		LOUD.	RAINFALL.					
		3	4	5	6	Mean 8 hrs.		Maximum.			Minimum.		15	16	17	18	19	20	21	22	
						7	8	9	10	11	12	13									14
<p>Station, and height of barometer above sea level in feet.</p>																					
<p>At 8 hrs. reduced to 32° F and standard gravity.</p>																					
<p>Departure from normal.</p>																					
<p>Mean direction at 8 hrs.</p>																					
<p>Mean velocity in miles per hour.</p>																					
<p>Dry bulb.</p>																					
<p>Wet bulb.</p>																					
<p>Mean.</p>																					
<p>Departure from normal.</p>																					
<p>Highest in month or year.</p>																					
<p>Mean.</p>																					
<p>Departure from normal.</p>																					
<p>Lowest in month or year.</p>																					
<p>Mean 8 hrs.</p>																					
<p>Departure from normal.</p>																					
<p>Mean amount 8 hrs.</p>																					
<p>Total of the month or year.</p>																					
<p>Departure from normal.</p>																					
<p>Number of rainy days.</p>																					
<p>Departure from normal.</p>																					
<p>Highest fall in amount or day.</p>																					
Angul (Orissa) (455)	January . . .	29.570	+0.008	N 66° W	3.0	61.4	58.1	84.5	+2.7	90	56.8	+1.2	58	80	+4	2.4	0.27	-0.19	1	+0.1	0.27
	February . . .	51.8	+0.020	N 13° E	4.0	68.6	65.4	87.5	+0.9	96	64.3	+3.0	56	84	+11	4.0	2.09	+0.69	2	-0.3	1.19
	March . . .	45.4	+0.031	N 67° W	(z) 3.6	74.7	68.1	95.6	+0.6	104	67.7	+0.1	62	70	+5	3.4	0.33	-0.66	1	-1.2	0.26
	April . . .	31.6	-0.007	N 72° E	3.1	82.8	74.9	105.7	+4.3	113	77.0	+2.6	70	67	+1	2.0	1.07	-0.23	3	+0.3	0.43
	May . . .	20.5	-0.006	N 86° E	5.4	85.8	77.5	105.6	+2.6	113	80.2	+1.8	75	66	-3	4.8	1.91	-0.07	5	+0.3	1.02
	June . . .	10.7	+0.016	N 45° E	3.6	87.6	78.5	103.3	+9.4	114	81.3	+3.3	75	66	-13	5.8	4.12	-4.73	6	-7.1	2.91
	July . . .	11.6	+0.028	N 67° W	3.7	81.0	77.4	89.2	+0.7	94	(k) 77.0	-0.3	73	85	+2	8.7	11.40	+0.41	12	-2.4	3.00
	August . . .	0.58	-0.070	N 79° W	4.2	80.4	77.8	88.0	+0.7	95	77.5	+0.6	74	89	+4	8.2	32.52	+21.72	21	+6.5	10.13
	September . . .	2.37	+0.001	N	3.2	80.5	77.8	89.2	+0.4	98	77.5	+1.2	76	89	+4	7.9	7.26	+1.18	12	+1.5	2.07
	October . . .	3.72	-0.018	N 24° W	3.5	77.3	75.0	86.1	-2.9	91	74.3	+2.9	69	88	+8	7.3	7.68	+4.62	14	+8.7	1.92
	November . . .	5.33	+0.033	N 65° W	2.9	67.3	64.9	82.6	-1.5	88	62.8	+0.4	57	87	+11	3.7	1.46	+0.35	2	+0.8	1.03
	December . . .	5.62	-0.005	N 66° W	3.0	60.2	57.4	78.9	-0.7	81	55.3	+0.9	50	82	+7	2.5	0	-0.21	0	-0.5	0
	Year . . .	29.337	+0.002	-	3.6	75.6	71.1	81.3	+1.4	114	71.0	+1.5	50	79	+3	5.0	70.11	+22.23	79	+6.7	10.13
<p>(a) Mean of 30 days.</p>																					
<p>(d) Mean of 27 days.</p>																					
<p>(k) Mean of 20 days.</p>																					
Daltonganj (Ch-Nagpur) (725)	January . . .	29.304	+0.008	N 74° E	1.2	59.0	54.9	(a) 78.9	+2.7	86	52.1	+4.8	45	76	-8	1.1	0.02	-0.34	0	-1.8	0.02
	February . . .	2.38	+0.006	N 30° E	2.6	62.0	57.6	74.8	-5.1	89	57.3	+5.8	45	83	+5	4.4	3.90	+2.71	9	+6.7	0.45
	March . . .	1.80	+0.043	N 45° E	2.8	69.1	61.3	89.1	-1.4	109	60.6	+1.2	51	61	+1	2.8	0.93	+0.24	4	+2.2	0.80
	April . . .	0.17	-0.006	N 79° E	3.3	84.0	65.6	104.0	+2.6	111	71.5	+1.4	65	33	-13	0.9	0	-0.41	0	-0.9	0
	May . . .	28.890	-0.022	S 86° E	5.1	91.7	72.6	107.3	+1.0	112	80.4	+1.7	73	37	-12	2.0	0.12	-0.50	1	-0.4	0.10
	June . . .	7.98	+0.010	S 22° W	3.9	91.0	74.8	104.6	+4.8	114	81.2	+0.6	70	45	-22	3.3	1.92	-4.70	6	-3.0	0.63
	July . . .	7.89	+0.010	S 58° W	3.5	82.4	78.0	90.5	-1.0	104	78.0	-0.2	74	81	-2	7.4	13.57	+6.71	20	+5.3	2.94
	August . . .	7.69	-0.061	N 85° E	3.5	82.2	78.9	88.6	-0.5	93	78.5	+1.6	76	86	-2	6.5	16.12	+2.96	17	+0.5	3.21
	September . . .	9.66	+0.010	S 85° E	3.6	81.9	77.3	89.8	-0.4	95	77.0	+1.9	75	81	-3	4.9	7.41	+0.72	12	+3.1	1.13
	October . . .	29.132	+0.008	S 75° E	3.6	78.4	72.2	86.4	-3.2	92	71.3	+5.3	61	81	+1	3.1	2.06	+0.07	8	+4.8	0.64
	November . . .	2.74	+0.021	N 54° E	1.9	63.9	60.1	81.2	-1.8	86	58.7	+2.6	49	78	-2	1.2	1.03	+0.86	1	+0.4	0.94
	December . . .	3.15	+0.007	N 31° E	2.5	55.7	52.4	76.1	-0.5	82	49.1	+3.5	41	77	-6	1.2	0.15	-0.04	1	+0.6	0.12
	Year . . .	29.656	+0.003	..	3.1	74.9	67.1	89.3	-0.2	114	67.8	+2.5	41	68	-5	3.2	52.23	+7.53	79	+17.5	6.81

MONTHLY AND ANNUAL TABLE D-3 FOR 1931—contd.

Abstract of 8 hrs. (local time) observations.

Station and height of barometer above sea-level in feet.	MONTH.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		LOUD.	RAINFALL.				
		At 8 hrs. reduced to 32° F and standard gravity.	Departure from normal.	Mean direction at 8 hrs.	Mean velocity in miles per hour.	Mean 8 hrs.		Maximum.			Minimum.			Mean 8 hrs.	Departure from normal.	Mean amount 8 hrs.	Total of the month or year.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month or year.
						Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month or year.	Mean.	Departure from normal.	Lowest in month or year.								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
(Bihar) (182).	January . . .	29-812	-040	S 51° W	1.8	53.9	52.6	76.9	+2.1	82	50.7	+2.9	44	90	+2	1.7	0.10	-0.08	0	-0.6	0.09
	February . . .	.757	-015	S 45° W	2.3	59.4	57.0	77.2	-2.0	90	55.0	+4.0	44	85	+4	4.2	0.95	+0.17	2	+0.4	0.66
	March . . .	.677	+002	S 7° W	2.6	69.5	61.1	92.1	+2.1	104	60.9	-2.0	51	59	-2	2.3	0.26	-0.22	1	-0.4	0.11
	April . . .	.520	-052	N 83° E	3.6	83.1	71.5	103.3	+5.5	108	73.8	+5.3	66	54	-3	0.9	0	-0.76	0	-1.0	0
	May . . .	.461	-017	N 77° E	5.0	84.1	76.6	101.0	+1.7	111	77.6	+3.1	71	66	-1	4.1	1.02	-0.83	2	-1.1	0.59
	June . . .	.357	+004	N 83° E	4.0	87.5	80.4	103.5	+8.9	113	(b) 81.5	+4.1	76	72	-6	5.2	1.41	-7.47	5	-4.2	0.50
	July . . .	(c) 356	+018	N 79° E	2.5	82.4	80.4	90.1	-1.9	97	79.9	+1.6	77	91	+3	6.3	27.87	+16.78	24	+9.9	6.51
	August . . .	.334	-054	N 81° E	2.8	84.8	82.4	91.4	+1.4	95	82.0	+4.0	78	89	+1	8.5	5.05	-6.89	8	-6.1	1.68
	September . . .	.534	+035	E	2.7	81.8	79.5	89.6	-0.8	95	79.2	+2.1	75	89	+3	7.8	4.06	-3.58	6	-3.4	1.02
	October . . .	.699	+033	N 60° E	1.9	77.2	71.3	88.3	-1.3	94	70.4	0	65	73	-10	3.5	2.49	+1.00	1	-1.4	2.45
	November . . .	.824	+033	S 72° W	1.0	63.4	61.8	82.2	-1.2	87	59.8	+1.9	53	91	+7	1.3	0.26	-0.10	1	+0.6	0.23
	December . . .	.855	+002	S 66° W	1.1	56.0	54.9	73.6	-2.2	81	53.1	+4.3	45	93	+6	0	0.03	-0.07	0	-0.2	0.03
Year . . .	29-599	-004	--	2.6	73.6	69.0	89.1	+1.1	113	68.7	+2.0	44	79	0	3.8	43.50	-5.05	50	-8.1	6.81	
Bihar (122).	January . . .																				
	February . . .																				
	March . . .			Started on the 1st of June																	
	April . . .																				
	May . . .																				
	June . . .	29-429	..	S 60° E	6.3	86.9	79.0	101.1	..	115	80.9	..	75	69	..	4.7	3.45	..	4	..	1.66
	July . . .	.406	..	S 16° E	5.8	81.8	79.5	89.1	..	95	78.5	..	75	89	..	8.4	12.13	..	19	..	2.08
	August . . .	.384	..	S 58° E	6.0	83.8	81.1	90.0	..	93	80.3	..	76	89	..	6.2	9.91	..	11	..	2.82
	September . . .	.587	..	S 36° E	5.0	81.7	79.2	88.8	..	93	78.4	..	74	89	..	6.0	11.48	..	18	..	2.77
	October . . .	(a) 746	..	S 27° E	3.6	78.0	74.7	87.0	..	92	72.5	..	62	84	..	4.7	0.71	..	3	..	0.36
	November . . .	.876	..	S 56° W	2.5	65.1	62.1	81.6	..	86	56.4	..	50	84	..	1.9	0.05	..	0	..	0.03
	December . . .	.903	..	S 61° W	2.5	55.2	54.2	76.2	..	80	48.9	..	39	93	..	2.4	0.12	..	1	..	0.12
Year (d) . . .	29-619	..	--	4.5	76.1	72.8	87.7	..	115	70.8	..	39	85	..	4.9	39.66	..	58	..	2.77	

(a) Mean of 30 days.

(b) Mean of 29 days.

(c) Mean of 9 months.

(d) Mean of 7 months.

MONTHLY AND ANNUAL TABLE D-3 FOR 1931—contd.

Abstract of 8 hrs. (local time) observations.

1	2	PRESSURE.		WIND.		TEMPERATURE.							HUMIDITY.		CLOUD.	RAINFALL.					
		3	4	5	6	Mean 8 hrs.		Maximum.			Minimum.		15	16	17	18	19	20	21	22	
						7	8	9	10	11	12	13									14
	MONTH.	At 8 hrs. reduced to 32° F and standard gravity.	from normal.	Mean direction at 8 hrs	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month or year.	Mean.	Departure from normal.	Lowest in month or year.	Mean 8 hrs.	Departure from normal.	Mean amount 8 hrs.	Total of the month or year.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month or year.
Hansi (Punjab) (711).	January . . .	29-316	..	S 82° W	1-3	48.4	44.8	75.5	..	85	..	..	..	74	..	2.3	0.07	..	0	..	0.05
	February . . .	275	..	N 49° W	2-0	50.2	46.4	71.3	..	80	49.2	..	33	72	..	3.7	0.27	..	1	..	0.15
	March . . .	203	..	N 74° W	1-7	65.8	56.0	87.3	..	105	..	..	..	49	..	1.6	0.51	..	1	..	0.47
	April . . .	034	..	S 75° W	2-0	82.8	64.6	102.6	..	111	..	..	..	33	..	0.7	0	..	0	..	0
	May . . .	28-904	..	N 85½° W	2-0	90.4	68.6	107.5	..	115	..	..	..	28	..	1.3	0.38	..	2	..	0.27
	June . . .	811	..	N 60° W	2-3	98.1	72.2	108.3	..	115	(c) 81.4	..	73	82	..	2.5	0.31	..	2	..	0.18
	July . . .	755	..	S 31° W	2-6	87.5	78.3	98.6	..	113	79.7	..	72	65	..	3.5	6.36	..	11	..	2.16
	August . . .	777	..	S 60° E	1-9	86.7	81.1	97.0	..	103	80.3	..	75	78	..	3.7	5.24	..	7	..	2.20
	September . . .	966	..	S 56° W	1-3	82.1	75.7	95.8	..	103	74.4	..	71	73	..	2.2	3.66	..	4	..	1.48
	October . . .	29-147	..	S 87° E	1-0	77.6	69.5	93.6	..	102	66.9	..	56	65	..	1.3	1.94	..	2	..	1.38
	November . . .	237	..	N 72° W	0-6	64.5	55.1	86.5	..	92	50.5	..	44	51	..	1.0	0	..	0	..	0
	December . . .	327	..	N 45° W	1-0	52.6	47.2	78.3	..	92	43.9	..	36	63	..	1.3	0.02	..	0	..	0.02
Year . . .	29-067	..	—	1-6	73.5	63.3	91.9	..	115	(c) 65.0	..	38	57	..	2.1	18.76	..	30	..	2.20	
Patiala (Punjab) (818).	January (a) . . .	29-229	+0.43	N 4° W	(b) 1.8	49.4	46.7	59.1	[-9.0	77	45.9	+1.9	40	82	+2	3.5	0.20	-1.13	1	-1.6	0.15
	February (d) . . .	198	+0.74	N 11° W	(e) 1.6	51.6	47.7	67.1	-4.5	74	47.1	-0.8	40	74	-1	5.2	1.46	+0.20	6	+3.9	0.50
	March (a) . . .	123	+0.89	N 45° W	(b) 2.6	62.4	55.1	82.7	+0.43	101	55.8	-0.8	47	60	-3	1.5	2.15	+0.93	2	-0.4	1.90
	April (d) . . .	28-946	+0.20	N 21° E	(f) 1.9	78.8	64.8	100.1	+6.3	110	(e) 68.0	+1.4	60	45	-4	2.9	0	-0.59	0	-1.5	0
	May . . .	818	+0.06	N 45° E	1.9	86.2	72.6	105.8	+3.7	113	75.8	-0.2	67	51	+5	1.7	0.68	-0.01	2	+0.3	0.34
	June (e) . . .	740	+0.47	N 1° W	(e) 2.1	89.7	74.9	107.3	+5.5	115	79.3	-1.6	72	48	-11	3.0	0.38	-2.14	2	-1.5	0.20
	July (a) . . .	716	+0.43	S 75° E	(b) 2.0	84.2	78.2	96.9	+1.7	114	78.6	-1.3	70	76	-1	5.4	8.22	+2.15	7	-1.1	2.60
	August (b) . . .	718	-0.16	E	(d) 1.7	85.1	80.8	95.0	+2.2	103	79.7	+0.9	68	82	+1	5.7	5.52	-1.17	5	-3.2	3.86
	September (e) . . .	885	+0.21	S 76° E	(e) 2.6	81.1	76.1	95.1	+2.0	101	75.3	+0.6	71	79	+5	2.7	1.83	-2.71	4	-0.5	0.65
	October (b) . . .	29-093	+0.66	N 20° E	(e) 1.8	73.8	68.0	90.9	-0.2	97	67.1	+4.1	57	73	+9	1.4	0.53	-0.19	2	+1.1	0.23
	November (b) . . .	204	+0.52	N 25° E	(e) 1.8	61.7	54.5	84.3	+3.1	90	52.2	+0.6	46	62	-5	0.9	0	-0.15	0	-0.3	0
	December (b) . . .	237	+0.36	N 38° W	(d) 1.8	52.6	47.6	75.6	+4.5	80	45.7	+1.4	40	68	-10	1.3	0	-0.33	0	-1.1	0
Year . . .	28-992	+0.40	—	—	2.0	71.4	63.9	88.3	+1.3	115	64.2	+0.5	40	67	-1	2.9	20.97	-5.14	31	-5.9	3.86

(a) Mean of 30 days. (b) Mean of 29 days. (c) Mean of 28 days. (d) Mean of 27 days. (e) Mean of 26 days. (f) Mean of 19 days. (g) Mean of 8 months.

MONTHLY AND ANNUAL TABLE D-3 FOR 1931—contd.

Abstract of 8 hrs. (local time) observations.

1	2	PRESSURE.		WIND.		TEMPERATURE.							HUMIDITY.		CLLOUD.	RAINFALL.					
		3	4	5	6	Mean 8 hrs.		Maximum.			Minimum.		14	15	17	18	19	20	21	22	
						7	8	9	10	11	12	13									
Station and height of barometer above sea-level in feet.	MONTH.	At 8 hrs. reduced to 32° F and standard gravity.	Departure normal.	Mean direction at 8 hrs	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest month or year.	Mean.	Departure from normal.	Lowest month or year.	Mean 8 hrs.	Departure normal.	Mean amount 8 hrs.	Total of the month or year.	Departure normal.	Number of rainy days.	Departure normal.	Heaviest fall month or year.
Masfir ab a d (Kashmir) (2,343).	January . . .	27-675	-005	Calm	1.5	47.1	43.4	60.9	-0.4	71	39.5	+1.8	29	74	+5	4.8	7.45	+3.88	8	+1.7	2.90
	February . . .	606	+009	Calm	1.8	45.2	42.0	56.4	-5.9	67	39.2	-1.6	27	77	+8	5.3	6.17	+2.14	13	+7.1	1.11
	March . . .	614	+067	S 45° W	1.8	54.7	49.0	73.3	+5.0	89	48.3	+1.6	37	66	-2	1.9	3.44	-2.46	5	-3.5	1.32
	April . . .	502	+040	S 27° W	2.8	63.9	56.7	84.9	+7.3	94	58.7	+4.4	49	63	-2	2.1	2.02	-3.03	4	-4.6	0.63
	May . . .	381	+020	Calm	2.0	70.0	61.6	86.1	-3.6	96	63.6	+0.3	53	60	+6	2.0	3.49	+1.24	10	+6.3	1.04
	June . . .	290	+092	Calm	1.5	77.5	66.3	97.6	-0.1	104	69.3	-3.0	58	54	+3	0.7	1.77	-1.59	3	-3.1	0.72
	July . . .	223	+062	Calm	1.2	75.9	70.1	91.5	-3.3	103	69.8	-3.8	62	73	+6	2.6	10.01	+0.02	10	-1.9	5.63
	August . . .	150	-060	S	0.9	77.1	73.7	93.1	+2.3	101	73.0	+0.8	65	84	+6	2.9	3.46	-1.55	13	+0.2	1.70
	September . . .	309	-048	Calm	0.5	70.4	66.3	90.9	+0.9	97	67.1	+0.9	61	80	+10	0.9	1.98	-1.82	5	-0.9	0.63
	October . . .	517	-003	Calm.	0.5	62.2	58.9	82.4	-2.0	95	58.8	+3.3	44	81	+20	1.8	5.51	+3.97	7	+4.6	2.12
	November . . .	591	-029	Calm	0.4	49.4	46.4	73.0	-2.0	79	46.1	+1.3	41	79	+18	3.2	0.23	-0.37	1	-0.5	0.14
	December . . .	618	-034	(a) S	(b) 0.3	41.7	(b) 39.5	66.7	+3.7	80	33.3	+0.3	32	(b) 79	+8	1.4	0.13	-2.18	0	-4.4	0.05
Year . . .	27-456	+009	-	1.3	61.3	56.2	79.7	+0.1	104	56.0	+0.5	27	73	+8	2.5	60.66	-1.73	79	+1.0	5.68	
M (Baluchistan) (441).	January . . .	29-598	-	N 13° E	1.9	49.9	41.2	72.4	-	77	44.0	-	36	41	-	4.9	0.08	-	0	-	0.05
	February . . .	576	-	N 54° W	3.0	51.5	43.9	66.6	-	74	46.8	-	37	50	-	5.7	1.34	-	3	-	0.66
	March . . .	465	-	N 3° W	1.1	69.4	54.3	86.7	-	101	59.2	-	43	31	-	2.0	0.09	-	0	-	0.05
	April . . .	300	-	S	1.3	84.2	65.9	101.2	-	109	73.7	-	65	33	-	3.7	0.40	-	1	-	0.22
	May . . .	160	-	N 60° W	(a) 4.3	93.1	70.0	107.8	-	115	80.8	-	67	27	-	2.3	0.19	-	1	-	0.14
	June . . .	075	-	S 31° E	4.3	94.3	76.4	111.3	-	118	85.1	-	77	41	-	1.1	0.05	-	0	-	0.05
	July . . .	23-969	-	S 19° E	5.2	92.9	77.9	109.1	-	117	87.5	-	75	49	-	1.6	0.18	-	1	-	0.13
	August . . .	975	-	S 28° E	4.9	93.3	81.7	108.5	-	113	88.7	-	75	60	-	2.3	0.08	-	0	-	0.08
	September . . .	29-180	-	S 53° E	3.0	88.3	72.8	105.3	-	108	79.6	-	71	45	-	1.4	0	-	0	-	0
	October . . .	402	-	N 8° E	2.1	77.8	63.4	97.2	-	105	68.5	-	49	40	-	1.0	0	-	0	-	0
	November . . .	546	-	N 63° E	1.1	64.1	50.9	86.8	-	92	53.7	-	49	34	-	1.4	0	-	0	-	0
	December . . .	605	-	N 26° E	0.7	52.0	42.6	76.6	-	85	45.1	-	35	39	-	1.5	0	-	0	-	0
Year . . .	29-321	-	-	2.7	75.9	61.7	94.1	-	118	67.7	-	35	41	-	2.4	2.41	-	6	-	0.66	

(a) Mean of 30 days.

(b) Mean of 29 days.

(c) Mean of 28 days.

(d) Mean of 23 days.

MONTHLY AND ANNUAL TABLE D-3 FOR 1931—contd.

Abstract of 8 hrs. (local time) observations.

Station and height of barometer above sea-level in feet.	MONTH.	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		LOUD.	RAINFALL.				
		At 8 hrs. reduced to 32° F and standard gravity.	Departure from normal.	Mean direction at 8 hrs.	Mean velocity in miles per hour.	Mean 8 hrs.		Maximum.			Minimum.			Mean 8 hrs.	Departure from normal.	Mean amount 8 hrs.	Total of the month or year.	Departure from normal.	Number of rainy days.	Departure from normal.	Highest fall month or year.
						Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest month or year.	Mean.	Departure from normal.	Lowest month or year.								
Sukkur (Sind) (198).	January . . .	29-808	..	N 43° E	2-5	51-6	46-1	74-0	..	80	45-8	..	40	62	..	0	0	..	0	..	0
	February . . .	..	..	N 48° E	3-1	53-7	47-3	71-7	..	80	47-7	..	36	58	..	0	0	..	0	..	0
	March . . .	..	..	S 68° E	2-7	(g) 69-9	(g) 57-7	(g) 89-5	..	102	(g) 57-9	..	46	(g) 44	..	0	0	..	0	..	0
	April . . .	29-558	..	S 61° E	3-9	81-8	69-0	100-9	..	109	72-6	..	66	50	..	1-3	0-02	..	0	..	0-02
	May . . .	419	..	S 63° E	4-1	82-2	70-2	107-0	..	113	78-7	..	71	39	..	1-4	0	..	0	..	0
	June . . .	826	..	S 3° E	5-7	89-4	76-2	108-9	..	115	81-5	..	75	53	..	0-2	0-04	..	0	..	0-04
	July . . .	285	..	S 21° E	6-6	88-7	78-3	106-1	..	114	83-6	..	79	61	..	1-9	0-03	..	0	..	0-06
	August . . .	244	..	S 18° E	5-8	87-9	79-0	103-8	..	109	83-9	..	80	66	..	3-5	0-17	..	1	..	0-16
	September . . .	447	..	S 27° E	3-7	83-4	74-2	101-7	..	105	77-5	..	70	63	..	0-6	0	..	0	..	0
	October . . .	664	..	N 84° E	1-9	78-2	67-4	96-0	..	104	68-9	..	55	54	..	0	0	..	0	..	0
	November . . .	832	..	N 67° E	0-9	67-5	58-5	87-5	..	93	55-5	..	49	55	..	0-7	0	..	0	..	0
	December . . .	890	..	N 48° E	1-1	56-1	49-0	78-3	..	86	48-2	..	39	58	..	1-0	0	..	0	..	0
	Year . . .	(f) 29-542	..	..	3-5	74-7	64-4	93-8	..	115	66-8	..	36	55	..	0-9	0-26	..	1	..	0-16
Badin (Sind) (36).	January . . .	30-018	..	N 6° E	2-2	53-9	..	78-9	..	81	47-7	..	41	..	..	2-1	0	..	0	..	0
	February . . .	003	..	N 35° E	2-2	57-6	..	76-8	..	87	51-4	..	38	..	..	4-1	0-40	..	1	..	0-40
	March . . .	29-910	..	N 76° W	3-5	71-7	..	93-5	..	106	62-5	..	50	..	..	1-6	0	..	0	..	0
	April . . .	757	..	S 85° W	6-1	84-0	..	104-6	..	110	73-8	..	69	..	..	1-5	0	..	0	..	0
	May . . .	628	..	S 56° W	8-7	87-3	..	105-8	..	112	80-3	..	75	..	..	1-6	0-10	..	1	..	0-10
	June . . .	561	..	S 50° W	9-0	88-8	..	104-0	..	110	82-9	..	79	..	..	2-4	0	..	0	..	0
	July . . .	450	..	S 60° W	9-7	87-5	..	99-6	..	109	83-4	..	79	..	..	5-5	0-80	..	3	..	0-56
	August . . .	457	..	S 72° W	6-9	85-0	..	96-9	..	102	82-4	..	77	..	..	6-5	2-27	..	4	..	1-32
	September . . .	662	..	S 78° W	8-3	81-8	..	96-6	..	105	(e) 78-3	..	69	..	..	4-1	0	..	0	..	0
	October . . .	808	..	N 6° W	4-2	80-2	..	93-5	..	105	70-0	..	59	..	..	1-6	0	..	0	..	0
	November . . .	966	..	N 34° E	2-5	71-0	..	(b) 93-5	..	98	61-1	..	56	..	..	1-6	0	..	0	..	0
	December . . .	30-016	..	N 29° E	3-0	59-1	..	82-6	..	90	53-1	..	48	..	..	0-6	0	..	0	..	0
	Year . . .	29-769	..	..	5-5	75-7	..	93-9	..	112	68-9	..	33	..	..	2-8	3-57	..	9	..	1-23

(e) Mean of 9 months.

(f) Mean of 17 days.

(g) Mean of 28 days.

(h) Mean of 10 months.

(i) Mean of 30 days.

MONTHLY AND ANNUAL TABLE D-3 FOR 1931—contd.

Abstract of 8 hrs. (local time) observations.

1	2	PRESSURE.		WIND.		TEMPERATURE.							HUMIDITY.		CLOUD.	RAINFALL.					
		3	4	5	6	Mean 8 hrs.		Maximum.			Minimum.		15	16	17	18	19	20	21	22	
						7	8	9	10	11	12	13									14
Station and height of barometer above sea-level in feet.	MONTH.	At 8 hrs. reduced to 32° F and standard gravity.	Departure from normal.	Mean direction at 8 hrs.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month or year.	Mean.	Departure from normal.	Lowest in month or year.	Mean 8 hrs.	Departure from normal.	Mean amount 8 hrs.	Total of the month or year.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month or year.
Chor (Sind) (19).	January . . .	30-080	..	N 15° E	4.0	53.5	45.4	..	..	..	33.2	..	23	49	..	0.7	0	..	0	..	0
	February (e) . . .	005	..	N 11° E	5.4	59.0	51.6	..	..	..	50.1	..	30	58	..	4.9	0	..	0	..	0
	March . . .	29-022	..	S 23° W	4.2	70.0	61.5	..	..	..	56.7	..	41	54	..	1.5	0	..	0	..	0
	April . . .	750	..	S 38° W	6.5	85.9	72.8	..	..	..	69.2	..	63	52	..	1.3	0	..	0	..	0
	May . . .	617	..	S 35° W	10.0	88.3	78.6	..	..	..	76.5	..	64	63	..	1.8	0.54	..	1	..	0.54
	June . . .	556	..	S 34° W	10.0	89.9	79.9	..	..	..	78.1	..	61	63	..	2.3	0	..	0	..	0
	July . . .	441	..	S 34° W	10.8	88.7	80.6	..	..	..	76.7	..	59	69	..	4.9	0.89	..	3	..	0.61
	August . . .	447	..	S 35° W	9.0	85.7	80.0	..	..	..	80.7	..	72	77	..	5.1	6.36	..	7	..	2.43
	September . . .	646	..	S 29° W	7.0	81.8	76.1	..	..	..	75.9	..	71	75	..	3.5	1.09	..	2	..	0.98
	October . . .	837	..	N 31° E	3.7	81.6	73.1	..	..	..	69.5	..	55	66	..	1.3	0.91	..	1	..	0.86
	November . . .	939	..	N 59° E	2.4	70.4	60.3	..	..	..	55.8	..	50	51	..	1.9	0	..	0	..	0
	December . . .	30-038	..	N 30° E	3.7	59.4	51.8	..	..	..	49.0	..	41	56	..	0.6	0	..	0	..	0
	Year . . .	29-769	6.4	76.2	67.6	64.5	..	23	61	..	2.5	9.79	..	14	..	2.43
Las Bela (Sind) (210).	January . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	February . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	March (b) . . .	29-643	..	N 31° W	1.9	73.4	67.2	82.5	..	98	58.7	..	54	72	..	0.3	0	..	0	..	0
	April . . .	521	..	N 21° W	2.3	81.7	76.3	82.2	..	106	67.4	..	63	78	..	1.4	0.26	..	1	..	0.13
	May . . .	390	..	S 27° W	2.8	85.3	80.0	106.4	..	117	72.3	..	67	79	..	1.5	0.54	..	1	..	0.54
	June . . .	315	..	S 17° E	3.1	87.7	83.9	106.3	..	115	81.0	..	73	84	..	3.3	0.16	..	1	..	0.16
	July . . .	215	..	S 7° E	3.1	86.9	81.9	108.6	..	113	81.4	..	78	80	..	7.5	0.01	..	0	..	0.01
	August . . .	216	..	S 20° E	2.7	85.0	79.9	104.7	..	106	80.1	..	76	79	..	6.9	0.62	..	2	..	0.40
	September . . .	414	..	S 31° E	2.2	81.1	76.1	99.9	..	107	78.5	..	65	79	..	3.6	0	..	0	..	0
	October . . .	569	..	N 32° W	1.7	80.1	68.0	99.5	..	109	63.2	..	46	51	..	8.4	0	..	0	..	0
	November . . .	714	..	N 12° W	1.0	71.8	59.7	92.7	..	96	53.5	..	43	46	..	0.9	0	..	0	..	0
	December . . .	768	..	N 32° W	1.1	62.0	54.3	83.4	..	91	48.4	..	40	57	..	1.3	0	..	0	..	0
Year (a) . . .	29-477	..	..	..	2.2	79.5	72.7	96.1	..	117	67.9	..	40	71	..	3.6	1.59	..	5	..	0.54

(a) Mean of 10 months.

(b) Mean of 15 days.

(c) Mean of 19 days.

(d) Mean of 18 days.

(e) Mean of 18 days.

MONTHLY AND ANNUAL TABLE D-3 FOR 1931—contd.

Abstract of 8 hrs. (local time) observations.

1	2	PRESSURE.		WIND.		TEMPERATURE.						HUMIDITY.		CLOUD. Mean amount 8 hrs.	RAINFALL.						
		3 At 8 hrs reduced to 32° F and standard gravity.	4 Departure from normal.	5 Mean direction at 8 hrs.	6 Mean velocity in miles per hour.	Mean 8 hrs.		Maximum.			Minimum.				15 Mean 8 hrs.	16 Departure from normal.	18 Total of the month or year.	19 Departure from normal.	20 Number of rainy days.	21 Departure from normal.	22 Heaviest fall in month or year.
						7 Dry bulb.	8 Wet bulb.	9 Mean.	10 Departure from normal.	11 Highest month or year.	12 Mean.	13 Departure from normal.	14 Lowest month or year.								
Barrer (Rajputana) (631).	January (a)	29-362	..	N 56° W	(b) 4.7	57.6	49.7	..	..	..	52.6	..	47	53	..	2.9	0	..	0	..	0
	February	..338	..	N 40° W	5.7	59.2	50.1	..	..	..	52.3	..	41	53	..	4.2	0.07	..	0	..	0.03
	March	..270	..	N 80° W	5.5	73.7	61.8	..	..	..	65.0	..	50	48	..	2.0	0	..	0	..	0
	April	..124	..	N 62° W	7.8	86.6	71.2	..	..	..	78.1	..	67	45	..	1.4	0	..	0	..	0
	May	..012	..	S 41° W	7.9	87.3	75.8	..	..	..	79.4	..	62	58	..	1.7	0.70	..	1	..	0.70
	June	28-989	..	S 66° W	8.3	89.4	77.6	..	..	..	80.8	..	66	58	..	1.8	0.48	..	1	..	0.39
	July	..851	..	S 68° W	7.6	86.0	77.3	..	..	..	79.9	..	74	66	..	6.3	1.15	..	4	..	0.38
	August	..833	..	S 69° W	5.9	82.5	77.1	..	..	..	78.4	..	72	78	..	7.8	22.07	..	12	..	5.93
	September	29-035	..	S 59° W	5.5	82.1	73.3	..	..	..	76.5	..	71	65	..	4.8	0.64	..	1	..	0.48
	October	..188	..	N 46° E	4.0	82.6	69.9	..	..	..	70.3	..	5	61	..	2.3	0.33	..	1	..	0.27
	November (a)	..339	..	N 24° W	(b) 3.0	70.5	58.8	..	..	..	60.0	..	52	45	..	2.8	0	..	0	..	0
	December	..864	..	N 39° W	3.9	61.4	52.6	..	..	..	54.6	..	48	52	..	1.3	0	..	0	..	0
Year	29-138	..	..	5.8	76.6	66.3	..	..	..	69.0	..	41	57	..	3.2	25.44	..	20	..	5.50	
Jannagar (Gujrat) (61).	January	29-957	-026	S	..	60.5	53.4	80.7	+1.3	87	50.4	-2.3	45	60	-3	2.5	0	-0.05	0	-0.2	0
	February	..948	+004	N 1° W	..	63.9	57.4	79.4	-3.1	85	55.7	0	47	65	+1	2.7	0.05	-0.05	0	-0.2	0.05
	March	..910	+043	N 2° W	..	73.2	65.9	89.1	-0.9	97	60.7	-2.7	49	65	-3	2.6	0	-0.15	0	-0.2	0
	April	..773	-004	N 23° W	..	81.3	..	98.8	+3.8	106	71.6	+0.9	67	..	..	2.3	0	-0.04	0	0	0
	May	..661	-018	S 38° W	..	86.3	78.6	98.8	+1.1	108	78.1	+1.4	73	70	+3	1.9	0.05	-0.04	0	-0.2	0.05
	June	..582	+050	N 58° W	..	83.3	88.2	97.9	+1.9	105	81.2	+1.2	78	80	+10	4.1	0.08	-2.73	0	-3.0	0.05
	July	..484	-020	S 77° W	..	86.1	82.5	98.3	+2.1	98	80.1	+1.5	77	86	+9	6.3	3.38	-5.11	4	-3.7	1.45
	August	..508	-072	S 61° W	..	82.7	78.6	89.1	+1.1	95	78.2	+1.5	75	83	+2	6.9	3.32	-2.33	8	+1.4	1.45
	September	..708	-001	N 83° W	..	82.6	..	89.6	+0.2	98	75.8	+1.6	71	..	..	5.3	0.26	-1.91	2	-0.5	0.14
	October	..819	-007	N 60° W	..	81.5	77.9	92.4	-1.3	99	74.1	+3.5	68	85	+17	3.5	0.52	+0.06	1	+0.5	0.42
	November	..937	+018	N 36° E	..	75.8	67.3	89.4	-0.1	93	..	..	..	62	+3	1.5	0	-0.01	0	0	..
	December	..939	-037	N 41° E	..	66.1	56.9	82.6	+1.0	89	..	..	..	54	-2	0.4	0	-0.04	0	-0.1	0
Year	29-768	-006	..	..	77.4	(c) 70.2	90.1	+0.6	106	(c) 70.6	+2.5	45	(c) 71	+3	3.3	7.66	-12.40	15	-6.2	1.45	

(a) Mean of 29 days.

(b) Mean of 28 days.

(c) Mean of 10 months.

MONTHLY AND ANNUAL TABLE D-3 FOR 1931—contd.

Abstract of 8 hrs. (local time) observations.

1	2	PRESSURE.		WIND.		TEMPERATURE.						HUMIDITY.		LOUD.	RAINFALL.						
		3	4	5	6	Mean 8 hrs.		Maximum.			Minimum.			15	16	17	18	19	20	21	22
						7	8	9	10	11	12	13	14								
Dohad (Gujarat) (1,009).	January	..	..	S 88° E	2.3	57.8	52.9	86.8	..	99	53.8	..	42	70	..	1.6	0	..	0	..	0
	February	29.020	..	N 87° E	3.4	60.1	53.7	84.3	..	90	54.7	..	44	63	..	4.1	0	..	0	..	0
	March	28.988	..	S 58° E	3.3	71.0	61.8	94.5	..	105	62.8	..	52	55	..	2.4	0	..	0	..	0
	April	819	..	N 74° W	4.3	86.0	69.4	104.1	..	108	75.9	..	68	40	..	1.4	0	..	0	..	0
	May	749	..	S 71° W	7.9	85.5	77.2	108.5	..	110	79.2	..	77	66	..	1.6	0	..	0	..	0
	June	650	..	S 70° W	8.6	87.3	80.0	103.1	..	111	(b) 81.6	..	73	71	..	4.0	0.39	..	2	..	0.17
	July	586	..	S 58° W	7.8	79.8	77.5	90.4	..	101	76.4	..	72	89	..	8.2	7.96	..	18	..	1.82
	August	551	..	S 61° W	6.9	77.3	76.1	84.3	..	90	75.0	..	73	95	..	9.6	14.56	..	21	..	5.18
	September	735	..	S 72° W	4.8	77.6	74.9	86.9	..	94	73.6	..	70	88	..	7.3	4.77	..	11	..	0.81
	October	824	..	N 67° E	3.0	73.4	70.1	87.9	..	92	67.4	..	56	88	..	4.3	7.09	..	10	..	3.24
	November	988	..	N 75° E	2.6	65.3	60.4	87.3	..	91	57.2	..	52	74	..	1.8	0.11	..	1	..	0.10
	December	29.002	..	N 86° E	2.0	58.7	55.8	83.3	..	88	83.5	..	46	82	..	2.8	0.29	..	1	..	0.29
	Year	(2) 28.810	..	..	4.7	73.3	67.4	91.4	..	111	70.1	..	42	73	..	4.1	35.17	..	69	..	5.18
Guna (Central India) (1,571).	January	28.487	..	S 80° E	2.6	58.0	51.5	81.6	..	86	49.3	..	85	61	..	1.7	0	..	0	..	0
	February	436	..	N 84° E	3.1	59.2	52.3	77.9	..	88	50.9	..	31	60	..	3.9	0.17	..	1	..	0.12
	March	401	..	N 88° E	3.2	71.7	54.3	91.1	..	105	57.1	..	44	26	..	1.6	0	..	0	..	0
	April	230	..	S 62° W	3.9	87.3	60.9	104.1	..	110	70.3	..	63	16	..	0.4	0	..	0	..	0
	May	127	..	N 88° W	5.6	91.2	68.9	107.1	..	112	78.2	..	69	29	..	0.3	0.15	..	1	..	0.15
	June	035	..	N 84° W	5.4	91.4	70.3	106.5	..	114	81.5	..	73	34	..	1.3	0.99	..	2	..	0.64
	July	27.985	..	S 77° W	7.7	80.2	76.0	91.3	..	107	77.8	..	72	83	..	6.4	14.63	..	14	..	3.60
	August	959	..	S 86° W	5.4	77.1	75.6	84.9	..	90	74.6	..	72	93	..	9.7	26.36	..	22	..	3.86
	September	28.151	..	N 86° W	3.5	77.0	74.0	86.0	..	92	71.8	..	63	86	..	5.6	6.73	..	10	..	2.85
	October	288	..	S 63° E	0.6	72.2	67.9	84.9	..	91	64.5	..	52	79	..	3.4	6.75	..	8	..	1.80
	November	430	..	N 11° E	0.6	65.2	58.0	82.4	..	85	50.3	..	43	64	..	0.1	0	..	0	..	0
	December	451	..	S 66° E	1.8	58.0	51.8	77.3	..	81	48.0	..	43	64	..	1.9	0.02	..	0	..	0.02
	Year	28.244	..	..	3.6	74.0	63.5	89.6	..	114	64.5	..	31	58	..	3.0	55.85	..	58	..	3.85

(b) Mean of 29 days.

(2) Mean of 11 months.

MONTHLY AND ANNUAL TABLE D-3 FOR 1931—contd.

Abstract of 8 hrs. (local time) observations.

1	2	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		CLLOUD.	RAINFALL.				
		3	4	5	6	Mean 8 hrs.		Maximum.			Minimum.			15	16	17	18	19	20	21	22
						7	8	9	10	11	12	13	14								
		At 8 hrs. reduced to 32° F. and standard gravity.	Departure from normal.	Mean direction at 8 hrs.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month or year.	Mean.	Departure from normal.	Lowest in month or year.	Mean 8 hrs.	Departure from normal.	Mean amount 8 hrs.	Total of the month or year.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month or year.
Ambag (Konkan (23).	January . .	29-989	..	N 53° E	3-9	71.8	64.5	84.2	..	91	65.8	..	59	65	..	1.5	0	..	0	..	0
	February . .	909	..	N 50° E	4.8	72.2	64.0	83.2	..	88	65.2	..	60	62	..	0.2	0	..	0	..	0
	March . .	902	..	N 56° E	5.3	76.4	68.5	84.8	..	94	66.5	..	61	65	..	2.6	0	..	0	..	0
	April . .	816	..	S 17° E	5.9	84.0	75.6	89.7	..	96	76.8	..	72	66	..	1.7	0	..	0	..	0
	May . .	784	..	S 45° W	7.2	85.6	77.7	89.8	..	92	79.7	..	75	68	..	4.3	0	..	0	..	0
	June . .	685	..	S 42° W	9.6	84.5	79.0	89.0	..	93	80.6	..	73	77	..	7.2	11.18	..	9	..	3.06
	July . .	643	..	S 59° W	13.7	81.3	77.6	84.8	..	88	76.6	..	74	84	..	9.5	40.96	..	29	..	4.38
	August . .	635	..	S 62° W	16.5	80.7	77.5	83.9	..	86	77.7	..	75	86	..	9.5	13.95	..	27	..	5.62
	September . .	772	..	N 59° W	8.5	80.4	76.7	84.4	..	87	78.1	..	72	84	..	8.0	5.97	..	12	..	1.22
	October . .	814	..	S 27° E	6.4	78.9	74.6	85.3	..	93	73.8	..	66	81	..	6.0	12.62	..	16	..	3.01
	November . .	913	..	N 67° E	4.3	78.0	70.8	89.1	..	92	71.0	..	66	67	..	2.5	3.77	..	2	..	2.98
	December . .	936	..	N 71° E	4.5	73.2	66.4	85.9	..	91	66.1	..	61	64	..	2.9	0.71	..	2	..	0.44
Year . .	29-812	..	..	..	7.5	78.9	72.6	80.1	..	90	73.1	..	59	72	..	4.7	94.16	..	97	..	5.53
Miraj (Bombay Deccan) (1,824).	January . .	28-162	..	S 34° W	4.3	68.2	60.6	..	..	..	58.8	..	53	57	..	0.3	0	..	0	..	0
	February . .	129	..	N 69° W	5.1	71.3	61.8	92.4	..	98	61.4	..	57	51	..	2.2	0.14	..	1	..	0.14
	March . .	109	..	N 62° W	6.0	75.7	64.3	96.3	..	100	65.5	..	57	71	..	2.0	1.56	..	6	..	0.47
	April . .	047	..	N 73° W	8.0	80.2	73.1	101.6	..	106	71.9	..	65	71	..	1.5	1.19	..	2	..	0.96
	May . .	000	..	N 88° W	7.7	80.3	73.2	100.5	..	107	72.3	..	68	76	..	6.8	4.58	..	6	..	1.32
	June . .	27-923	..	S 76° W	8.2	77.8	72.5	91.1	..	99	72.2	..	69	86	..	9.0	5.07	..	12	..	0.97
	July . .	910	..	S 86° W	9.8	74.5	71.7	81.4	..	85	70.0	..	68	88	..	8.5	2.69	..	9	..	0.63
	August . .	892	..	N 70° W	7.2	73.7	71.4	80.3	..	85	70.7	..	69	88	..	8.7	4.05	..	3	..	1.43
	September . .	984	..	S 78° E	4.8	73.4	70.7	82.1	..	90	69.2	..	65	64	..	1.0	0	..	0	..	0
	October . .	28-046	..	S 71° W	5.8	74.0	68.6	83.9	..	91	66.9	..	56	75	..	5.5	2.32	..	4	..	1.16
	November . .	133	..	S 89° E	5.1	72.6	65.4	84.0	..	89	63.7	..	53	67	..	4.4	3.81	..	4	..	1.27
	December . .	150	..	N 84° E	5.0	67.2	59.4	81.6	..	85	58.6	..	49	61	..	3.5	1.50	..	3	..	0.70
Year . .	28-040	..	—	—	6.4	74.1	67.7	(2) 88.7	..	107	66.8	..	49	71	..	4.5	28.91	..	50	..	1.45

(a) Mean of 12 months.

MONTHLY AND ANNUAL TABLE D-3 FOR 1931—*contd.*

Abstract of 8 hrs. (local time) observations.

1	2	PRESSURE.		WIND.		TEMPERATURE.						HUMIDITY.		CLOUD.	RAINFALL.				22		
		3	4	5	6	Mean 8 hrs.		Maximum.		Minimum.		15	16		17	18	19	20		21	
						Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month or year.	Mean.			Departure from normal.					Lowest month or year.		Total of the month or year.
Saug (Bombay Deccan) (2,131).	January . . .																				
	February . . .																				
	March . . .																				
	April . . .																				
	May (m) . . .	27.678	..	W	9.5	77.1	71.7	89.4	..	106	71.6	..	67	75	..	2.8	1.45	..	8	..	1.20
	June . . .	622	..	S 89 W	8.7	76.8	74.8	90.0	..	96	71.8	..	68	91	..	6.5	5.27	..	9	..	1.58
	July . . .	610	..	N 89 W	9.8	74.1	70.6	83.2	..	88	70.4	..	68	84	..	8.6	1.08	..	8	..	0.62
	August . . .	591	..	N 86 W	9.4	73.7	70.7	82.9	..	89	70.5	..	69	86	..	5.9	1.42	..	8	..	0.66
	September . . .	667	..	N 85 W	5.4	72.8	69.4	83.8	..	91	68.7	..	67	85	..	6.6	10.29	..	10	..	3.74
	October . . .	726	..	N 86 W	4.4	73.5	68.4	86.0	..	94	69.3	..	61	77	..	4.7	0.54	..	8	..	0.16
	November . . .	800	..	S 87 E	8.0	72.7	67.6	84.8	..	89	65.7	..	59	77	..	3.2	1.96	..	6	..	0.52
	December . . .	816	..	E	3.5	69.6	62.8	82.7	..	87	62.5	..	56	65	..	3.2	0.23	..	1	..	0.23
Year (w) . . .	27.689	..	..	6.7	73.7	69.4	86.6	..	106	68.7	..	56	80	..	5.2	22.24	..	27	..	3.74	
Mahabaleshwar (Bombay Deccan) (4,584).	January . . .																				
	February . . .																				
	March . . .																				
	April . . .																				
	May . . .																				
	June . . .	(b) 25.495	..	..	..	67.5	65.6	75.3	..	86	64.0	..	62	90	..	8.9	11.08	..	15	..	2.80
	July . . .	391	..	W	..	64.7	64.6	65.9	..	89	62.4	..	58	100	..	10.0	99.67	..	31	..	2.89
	August . . .	342	..	S 80 W	..	64.2	64.2	65.5	..	68	62.8	..	61	100	..	10.0	106.83	..	31	..	7.17
	September . . .	442	..	W	..	63.4	62.9	67.4	..	72	61.0	..	58	97	..	8.8	36.69	..	22	..	4.34
	October . . .	..	..	(c) S 75 E	..	63.9	61.8	69.8	..	78	60.3	..	52	89	..	6.8	24.30	..	17	..	3.25
	November . . .	25.880	..	N 82 E	..	63.8	58.5	72.6	..	76	(d) 59.4	..	55	72	..	3.6	6.76	..	4	..	4.13
	December . . .	572	..	E	..	..	..	70.8	..	77	56.4	..	52	63	..	2.8	0.46	..	2	..	0.16
Year (v) . . .	(u) 25.470	..	..	..	64.0	61.6	69.6	..	89	60.9	..	52	87	..	7.2	235.61	..	122	..	7.39	

(a) Mean of 30 days.
(u) Mean of 6 months.

(b) Mean of 29 days.
(v) Mean of 8 months.

(m) Mean of 18 days.

(v) Mean of 7 months.

MONTHLY AND ANNUAL TABLE D-3 FOR 1931—contd.

Abstract of 8 hrs. (local time) observations.

1	2	PRESSURE.		WIND.		TEMPERATURE.							HUMIDITY.		3	RAINFALL.					
		At 8 hrs. reduced to 32° F. and standard gravity.	Departure from normal.	Mean direction at 8 hrs.	Mean velocity in miles per hour.	Mean 8 hrs.		Maximum.			Minimum.		Mean 8 hrs.	Departure from normal.	Mean amount 8 hrs.	Total of the month or year.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month or year.	
						Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month or year.	Mean.	Departure from normal.									Lowest in month or year.
Hasean* (Mysore). (3,149)	January . . .	26-860	+025	S 85 E	8-0	67-4	61-1	84-4	+2-1	87	58-9	+3-4	54	70	-4	2-9	0	-0-17	0	0	0
	February . . .	848	+026	S 78 E	2-0	70-4	63-4	90-3	+3-6	94	61-6	+3-7	57	68	-1	1-3	0	-0-15	0	0	0
	March . . .	845	+050	N 40 E	2-9	75-1	65-8	93-2	+2-0	96	66-1	+4-0	62	60	-5	0-9	0	-0-32	0	-1-0	0
	April . . .	789	+037	N 75 W	3-9	76-0	70-2	93-3	+1-3	98	69-8	+3-3	67	75	+5	2-6	4-24	+2-08	5	+1-0	2-18
	May . . .	749	+025	N 87 W	5-3	75-3	69-2	90-0	+1-3	96	68-2	+1-3	63	73	-2	5-3	5-46	+0-89	9	+4-0	1-30
	June . . .	694	+024	S 76 W	6-3	72-2	68-7	81-6	+1-0	86	67-6	+1-6	65	84	+1	8-3	3-91	+0-21	5	-7-0	2-08
	July . . .	699	+030	S 72 W	6-7	70-1	67-5	78-1	+0-8	83	66-3	+1-1	65	87	+1	9-4	3-89	-2-17	12	-1-0	0-77
	August . . .	680	-019	S 73 W	7-7	70-1	67-9	76-8	-1-7	81	66-8	+2-1	65	89	+4	9-5	7-41	+3-82	16	+7-0	1-16
	September . . .	731	-002	N 86 W	5-1	70-0	66-9	80-4	-0-1	86	65-4	+1-1	63	85	+2	7-9	12-58	+8-39	10	+2-0	3-56
	October . . .	780	+014	N 74 W	4-4	71-6	66-7	83-2	+1-5	88	65-1	+1-0	60	77	-5	6-6	0-21	-5-80	1	-8-0	0-13
	November . . .	808	-003	N 86 W	2-7	70-6	66-2	82-1	+1-8	87	64-6	+4-6	57	80	+4	6-2	3-63	+0-37	8	+3-0	1-17
	December . . .	822	-014	N 83 E	3-3	67-1	63-1	79-1	-0-6	83	61-9	+6-0	51	80	+4	7-5	2-17	+1-50	3	+2-0	1-08
Year . . .	26-775	+016	..	4-5	71-3	66-4	84-4	+1-1	98	65-2	+2-8	51	77	0	5-7	43-50	+8-65	69	+2-0	3-56	
Balchonnur* (Mysore). (2,968)	January . . .	27-121	..	S 43 E	..	68-5	62-4	82-3	..	89	59-6	..	54	70	..	3-2	0	..	0	..	0
	February . . .	102	..	S 61 E	..	67-9	63-8	87-4	..	90	61-4	..	57	80	..	3-9	0	..	0	..	0
	March . . .	104	..	S 49 E	..	69-7	64-3	88-7	..	93	64-1	..	59	75	..	3-3	1-50	..	1	..	1-50
	April . . .	051	..	S 66 E	..	73-3	70-5	87-7	..	92	67-8	..	64	86	..	5-7	7-36	..	9	..	1-30
	May . . .	021	..	N 37 W	..	73-2	69-6	85-4	..	89	67-3	..	60	83	..	6-6	3-07	..	4	..	10-06
	June . . .	26-966	..	N 33 W	..	70-9	69-0	77-6	..	82	67-1	..	64	91	..	9-5	10-67	..	17	..	1-66
	July . . .	972	..	N 10 W	..	68-8	67-5	75-2	..	79	65-8	..	68	93	..	9-5	24-84	..	29	..	4-76
	August . . .	952	..	N 51 W	..	68-5	67-5	72-3	..	77	66-4	..	65	95	..	9-9	49-98	..	31	..	4-73
	September . . .	27-007	..	N 48 W	..	67-7	66-7	75-6	..	81	65-1	..	68	95	..	9-2	8-02	..	18	..	11-66
	October . . .	051	..	S 42 E	..	69-2	67-1	79-1	..	84	64-0	..	58	90	..	7-0	1-29	..	6	..	0-24
	November . . .	078	..	S 48 E	..	68-9	66-6	79-8	..	84	62-9	..	57	84	..	5-6	3-80	..	7	..	1-13
	December . . .	074	..	S 33 E	..	65-7	62-0	77-2	..	83	60-5	..	..	81	..	6-6	0-68	..	2	..	0-42
Year . . .	27-042	..	..	..	69-4	66-3	80-7	..	93	64-3	..	54	85	..	6-7	111-16	..	124	..	4-76	

* Data supplied by the Meteorological Reporter to the Government of Mysore.

MONTHLY AND ANNUAL TABLE D-3 FOR 1931—contd.

Abstract of 8 hrs. (local time) observations.

1	2	PRESSURE.		WIND.		TEMPERATURE.							HUMIDITY.		LOUD.	RAINFALL.					
		3	4	5	6	Mean 8 hrs.		Maximum.			Minimum.			15	16	17	18	19	20	21	22
						7	8	9	10	11	12	13	14								
Station and height of barometer above sea-level in feet.																					
Minicoy (Arabian Sea) (7).																					
January . . .	29-904	-018	N 50 E	2-3	82.4	76.1	85.9	+0.2	87	76.2	0	73	73	-4	5.7	2.89	+1.01	4	+1.3	1.97	
February . . .	912	-006	N 25 E	2.6	83.9	76.3	87.9	+1.6	90	77.7	+1.3	73	69	-7	3.9	0	-0.65	0	-1.1	0	
March . . .	922	+0.31	N 3 E	2.3	85.1	76.9	89.3	+1.6	91	77.8	-0.5	73	68	-6	3.9	0	-1.04	0	-1.6	0	
April . . .	860	+0.14	N 45 W	3.2	85.6	78.2	91.1	+1.7	94	79.5	0	74	70	-4	4.7	2.05	-0.57	4	+0.4	0.85	
May . . .	823	-005	N 60 W	4.3	86.4	78.9	91.5	+2.6	94	80.6	-0.1	74	70	-7	5.6	7.50	+1.11	7	-1.6	2.66	
June . . .	814	-002	N 87 W	9.3	83.3	78.5	87.4	+1.2	90	78.7	+0.1	75	79	-3	6.9	9.73	-2.18	12	-5.3	3.60	
July . . .	835	+006	S 71 W	10.0	81.5	77.2	86.1	+0.6	88	77.2	-0.4	73	81	-1	8.0	5.26	-3.54	11	-2.9	1.43	
August . . .	831	-023	S 82 W	10.4	80.1	77.1	84.2	-1.4	88	76.5	-0.1	71	87	+6	6.8	14.33	+7.17	22	+11.0	2.98	
September . . .	859	-014	N 59 W	4.5	81.5	76.4	85.8	+0.1	88	76.4	-1.7	73	78	-2	5.4	9.53	+3.12	12	+1.9	2.55	
October . . .	885	+0.12	N 64 W	4.3	83.7	76.9	87.6	+1.5	92	77.4	-0.1	74	71	-10	4.6	2.32	-6.00	7	-4.6	0.87	
November . . .	874	-012	N 22 W	5.1	82.9	77.2	86.1	-0.2	88	76.6	-0.3	72	77	-2	5.4	4.96	-0.33	9	+1.9	0.93	
December . . .	875	-031	N 25 E	3.2	82.2	76.3	86.0	-0.1	88	77.5	+1.6	73	75	-2	4.9	4.20	+0.69	6	+1.8	1.92	
Year . . .	29-866	-004	..	5.1	83.2	77.2	87.4	+0.8	94	77.7	0	71	75	-3	5.5	62.77	-1.21	94	+1.2	3.60	
Amhi Divi. (Arabian Sea) (13).																					
January . . .	29-897	-032	N 29 E	2.4	83.5	76.0	89.0	+2.9	91	76.0	+2.0	71	69	-3	3.5	0.02	-0.68	0	-1.1	0.02	
February . . .	906	-017	N 6 E	4.4	83.9	76.3	90.5	+3.4	93	77.7	+1.7	73	69	-3	2.4	0	-0.08	0	-0.3	0	
March . . .	911	+0.21	N 4 E	5.5	84.6	76.8	90.1	+0.6	94	79.0	+1.4	76	68	-4	1.8	0	-0.05	0	-0.1	0	
April . . .	837	+0.03	N 32 W	(b) 4.9	86.6	79.3	91.0	-0.7	95	81.9	+2.1	78	70	-1	4.1	0.20	-1.30	1	-0.7	0.20	
May . . .	807	-001	N 41 W	7.0	86.3	79.3	90.8	-0.7	95	81.4	+0.8	73	72	-2	4.9	7.82	+4.15	8	+3.3	1.74	
June . . .	761	-006	N 89 W	10.9	83.8	79.9	86.6	-0.7	89	78.9	+0.8	76	83	+1	8.3	10.90	-3.41	14	-2.5	3.08	
July . . .	781	-007	S 82 W	12.8	82.3	78.7	85.3	-0.4	87	78.3	+0.9	73	85	+2	8.2	11.43	-0.57	13	-2.7	2.33	
August . . .	773	-050	S 83 W	14.5	81.9	79.0	84.3	-1.4	86	77.7	+0.3	73	87	+5	8.1	13.06	+5.41	17	+5.6	3.02	
September . . .	827	-021	N 58 W	10.4	81.7	77.2	85.0	-0.8	89	78.4	+1.2	75	81	0	6.4	3.63	-2.72	8	-2.5	0.95	
October . . .	855	-002	N 63 W	6.2	82.0	77.0	86.4	0	92	77.4	+0.6	74	79	-1	5.2	5.74	-0.07	10	+1.3	1.17	
November . . .	857	-018	N 38 E	2.2	82.8	77.7	87.7	+1.2	90	76.2	+0.7	78	79	+3	5.2	4.36	+1.73	11	+6.8	1.10	
December . . .	859	-049	N 10 E	3.4	83.0	76.2	87.9	+1.6	91	76.3	+2.5	71	71	-1	5.5	3.36	+2.09	5	+3.0	1.25	
Year . . .	29-839	-015	..	7.1	83.5	77.8	87.9	+0.4	95	78.3	+1.3	71	76	0	5.3	60.32	+4.35	87	+10.1	3.06	

(b) Mean of 29 days.

MONTHLY AND ANNUAL TABLE D-3 FOR 1931—contd.

Abstract of 8 hrs. (local time) observations.

1	2	PRESSURE.		WIND.		TEMPERATURE.								HUMIDITY.		3	RAINFALL.																								
		At 8 hrs. reduced to 32° F. and standard gravity.	Departure from normal.	Mean direction at 8 hrs.	Mean velocity in miles per hour.	Mean 8 hrs.		Maximum.			Minimum.			Mean 8 hrs.	Departure from normal.	Mean amount 8 hrs.	Total of the month or year.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall month or year.																				
						Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month or year.	Mean.	Departure from normal.	Lowest in month or year.																												
																						9	10	11	12	13	14	15	16	17	18	19	20	21	22						
Trincomeale (Ceylon) (36).																						20-801	-031	N 31 E	7-5	76-2	72-9	80-5	-2-4	82	74-7	+0-4	71	84	-1	6-1	20-67	+14-92	14	+6-5	6-16
																						786	-031	N 46 E	6-2	78-4	74-3	82-3	-3-6	85	77-6	+2-9	78	82	-2	4-7	2-53	+0-64	2	-0-4	1-62
																						787	+0-44	S 55 E	4-7	78-0	74-9	85-5	-3-7	88	77-5	+1-6	74	86	+1	3-6	0-05	-0-97	2	-0-4	0-37
																						719	+0-80	S 57 W	4-4	78-9	76-1	89-1	-3-6	96	77-8	+0-2	74	86	+2	4-4	2-36	+0-52	5	+2-1	1-45
																						658	+0-20	S 62 W	8-0	81-4	76-4	91-6	-2-3	97	78-3	-0-1	70	78	-3	4-9	3-18	+0-72	4	+0-6	1-62
																						624	+0-08	S 66 W	13-1	81-6	76-6	92-1	-0-3	95	79-6	+1-3	78	79	-1	6-0	0	-1-54	0	-1-8	0
																						660	+0-35	S 67 W	9-7	78-9	74-6	92-1	+0-1	96	76-5	-0-9	71	80	0	6-1	2-79	+0-88	4	+1-6	1-78
																						649	+0-03	S 68 W	12-8	79-7	74-7	92-4	-0-2	95	77-8	+0-9	74	78	-2	7-1	0-41	-3-78	1	-4-0	0-39
																						667	-0-05	S 66 W	8-8	78-8	73-8	92-2	+0-5	97	76-4	-0-1	73	78	-3	4-9	4-71	+0-09	5	-1-1	2-15
																						722	+0-12	S 68 W	6-5	79-2	74-6	91-7	+2-3	97	76-4	+1-0	72	80	-6	4-7	6-68	-0-91	6	-2-7	2-19
																						774	+0-35	S 6 W	4-6	77-7	75-4	83-1	-2-6	89	74-9	+0-3	72	88	0	5-5	11-65	-2-63	15	+1-2	2-35
																						749	-0-20	N 53 E	(b) 5-6	(a) 76-3	(a) 74-4	(a) 84-6	+1-6	84	74-2	0	71	91	+4	7-5	17-47	+3-57	18	+4-1	3-10
																						29-716	+0-08	--	7-7	78-8	74-9	88-1	-4-2	97	76-8	+0-6	70	83	0	5-5	73-10	+11-51	78	+5-7	6-16
Hambantota (Ceylon) (61).																						29-807	-0-44	N 30 E	12-8	73-0	70-7	84-9	+0-5	88	72-3	+0-1	67	88	-2	4-4	6-54	+3-42	8	+2-3	2-75
																						790	-0-58	N 34 E	13-5	74-3	71-9	86-2	+0-4	88	73-5	+1-9	69	88	-1	3-0	1-64	+0-49	3	+0-3	1-42
																						803	-0-20	N 3 E	10-5	75-4	73-0	88-4	+1-4	92	74-7	+0-6	71	88	-2	3-2	0-17	-3-45	1	-4-1	0-10
																						754	-0-23	N 43 W	6-9	77-7	75-2	88-1	-0-2	92	76-2	+0-5	74	88	-2	4-1	11-91	+8-45	11	+5-1	3-33
																						729	-0-06	N 31 W	13-2	81-6	78-2	87-7	-0-2	92	77-9	+0-5	74	85	-4	5-9	1-84	-1-33	4	-1-6	0-91
																						722	-0-01	S 87 W	15-2	80-2	77-0	85-6	-2-0	94	77-2	+0-1	75	87	-2	5-3	4-76	+2-60	13	+7-1	1-14
																						742	+0-10	N 37 W	12-6	79-0	75-5	85-7	-1-6	92	76-0	-0-4	72	84	-5	3-6	1-73	-0-71	3	-2-3	1-28
																						737	-0-21	S 87 W	13-6	78-0	74-3	87-0	-0-3	92	75-5	-0-8	72	86	-3	4-3	4-44	+3-13	9	+6-0	2-23
																						745	-0-23	S 84 W	13-0	78-6	75-2	85-6	-1-3	93	75-7	-0-3	73	84	-5	4-1	1-75	-0-18	5	+0-7	0-56
																						787	-0-09	S 83 W	(a) 12-9	80-3	76-0	86-7	-0-1	94	75-9	+0-7	72	81	-3	3-2	2-02	-1-89	4	-3-5	0-68
																						806	+0-18	N 5 W	7-7	78-1	74-9	85-3	-0-6	88	73-7	-0-4	72	86	-4	4-2	8-13	+2-94	9	+0-6	2-58
																						773	-0-46	N 8 E	8-1	76-9	74-4	83-6	-0-6	87	73-7	+1-2	79	88	-3	5-9	10-91	+5-11	12	+2-5	5-06
																						29-766	-0-19	--	11-7	77-8	74-7	86-2	-0-4	94	75-2	+0-3	67	86	-3	4-2	55-84	+18-58	82	+13-1	5-06

(a) Mean of 30 days.

(b) Mean of 29 days.

MONTHLY AND ANNUAL TABLE D-3 FOR 1931—contd.

Abstract of 8 hrs. (local time) observations.

1	2	PRESSURE.		WIND.		TEMPERATURE.							HUMIDITY.		17	18	RAINFALL.					
		3	4	5	6	Mean 8 hrs.		Maximum.			Minimum.		15	16			19	20	21	22		
						7	8	9	10	11	12	13									14	
																						Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month or year.	Mean.	Departure from normal.	Lowest in month or year.
Station and height of barometer above sea-level in feet.	MONTH.	At 8 hrs. reduced to 32° F. and standard gravity.	from normal.	Mean direction at 8 hrs.	Mean velocity in miles per hour.									Mean 8 hrs.	from normal.	Mean amount 8 hrs.	Total of the month or year.	from normal.	Number of rainy days.	from normal.	in month or year.	
		B																				
Navara Eliya (Ceylon) (6,188).	January . . .	24.075	..	..	..	49.5	48.0	68.4	..	75	48.3	..	32	97	..	7.2	8.47	..	11	..	1.52
	February (d) . . .	(c) .080	..	..	..	48.2	46.8	70.6	..	75	45.9	..	36	90	..	6.9	1.40	..	3	..	0.58
	March . . .	.090	..	..	..	47.2	45.7	72.5	..	79	45.5	..	38	90	..	4.5	2.83	..	3	..	1.16
	April . . .	.062	..	..	..	52.1	51.8	71.0	..	75	50.3	..	44	97	..	4.2	11.13	..	18	..	2.42
	May . . .	.060	..	..	..	60.8	59.0	72.1	..	77	53.1	..	41	89	..	6.5	4.09	..	7	..	1.17
	June . . .	.080	..	..	..	59.4	58.3	65.3	..	72	56.6	..	55	94	..	9.7	15.43	..	21	..	1.65
	July . . .	.042	..	..	..	58.5	56.6	66.0	..	71	54.6	..	53	88	..	8.9	2.75	..	7	..	0.88
	August . . .	.092	..	..	..	57.8	57.1	63.5	..	72	55.4	..	51	97	..	9.8	19.54	..	28	..	1.81
	September . . .	.038	..	..	..	58.3	56.9	66.1	..	73	53.9	..	48	91	..	8.3	3.42	..	18	..	2.46
	October . . .	.069	..	..	..	59.2	57.4	68.5	..	71	51.7	..	46	89	..	6.1	7.60	..	7	..	2.37
	November . . .	.077	..	..	..	58.0	57.3	69.7	..	74	50.9	..	45	92	..	5.0	13.37	..	16	..	2.50
	December . . .	.051	..	..	..	58.2	56.7	67.6	..	72	52.6	..	35	92	..	5.8	16.28	..	16	..	5.02
	Year . . .	24.064	..	..	..	55.7	54.4	68.5	..	79	51.6	..	32	92	..	6.9	110.81	..	185	..	5.02
Lhasa (Tibet) (13,110).	January . . .	18.446	..	S 45 E	3.6	15.8	..	40.7	-1.5	49	6.4	+3.1	1	..	..	1.0	0	-0.01	0	-0.1	0
	February . . .	.358	..	S 40 E	7.4	24.0	..	45.4	+0.6	51	13.7	+4.8	3	..	..	3.8	0	-0.04	0	-0.2	0
	March . . .	.481	..	S 18 E	5.7	31.2	..	48.8	-1.9	61	17.7	+1.5	6	..	..	1.6	0	-0.06	0	-0.3	0
	April . . .	.524	..	S 10 E	4.8	43.1	..	57.0	-0.8	68	29.1	+3.7	20	..	..	3.1	0.50	+0.35	2	+1.2	0.30
	May . . .	.493	..	S	4.0	48.8	..	61.2	-4.6	71	34.5	+2.2	29	..	..	4.3	0.43	-0.04	2	+0.8	0.17
	June . . .	.480	..	S 18 E	4.0	55.0	..	69.8	-2.8	77	42.8	+1.7	37	..	..	5.4	1.93	+0.09	3	-1.0	0.34
	July . . .	.491	..	S 14 E	2.4	54.7	..	68.9	-3.6	78	46.3	+2.6	42	..	..	8.0	4.39	+1.88	12	+4.7	0.67
	August . . .	.543	..	S 5 W	2.5	52.7	..	68.8	-1.4	74	44.9	+2.8	41	..	..	7.3	5.78	+2.56	10	+1.3	1.13
	September . . .	.568	..	S 27 W	2.4	50.4	..	64.4	-5.7	70	41.6	+2.9	35	..	..	6.7	3.37	+2.33	12	+3.4	0.43
	October . . .	.631	..	S 9 E	2.8	44.7	..	61.4	-1.6	66	30.4	+1.5	21	..	..	..	0.66	-0.07	0	-0.4	0.06
	November . . .	.543	..	S 22 E	3.7	30.9	..	51.0	+0.7	64	16.0	+1.9	10	..	..	..	0	-0.08	0	-0.2	0
	December . . .	.495	..	S 45 E	3.0	21.8	..	44.1	+0.5	56	9.7	+5.5	1	..	..	..	0.08	0	0	0	0.08
	Year . . .	18.504	..	..	3.8	39.5	..	56.8	-1.8	78	27.8	+2.9	1	..	..	(z) 4.5	16.61	+7.81	41	+13.7	1.13

(c) Mean of 28 days.

(d) Mean of 27 days.

(z) Mean of 9 months.

MONTHLY AND ANNUAL TABLE D-3 FOR 1931—contd.

Abstract of 8 hrs. (local time) observations.

1	2	PRESSURE.		WIND.		TEMPERATURE.						HUMIDITY.		LOUD.	RAINFALL.							
		3	4	5	6	Mean 8 hrs.		Maximum.			Minimum.			15	16	17	18	19	20	21	22	
						7	8	9	10	11	12	13	14									
																						Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month or year.	Mean.	Departure from normal.	Lowest in month or year.
Kashgar (Eastern Turkistan) (4,255).		January . . .	25.538	—112	E	..	18.2	..	33.3	—0.8	46	13.4	+1.2	4	..	..	4.9	0.01	—0.16	0	—0.8	0.01
		February . . .	.478	—162	E	..	27.7	..	30.0	—4.2	52	21.0	+1.2	14	..	..	5.9	0.05	—0.12	0	—0.5	0.04
		March . . .	.483	—077	N 27 E	0.4	40.9	42.1	64.3	+6.8	83	36.1	+1.0	25	65	+8	3.7	0.01	—0.30	0	—0.7	0.01
		April . . .	.423	—087	N 27 W	1.0	60.7	51.4	78.7	+6.7	101	50.2	+1.7	41	50	+3	4.4	0	—0.24	0	—0.9	0
		May . . .	.372	—128	N 20 W	1.8	66.8	57.4	83.7	+1.7	94	56.2	—1.7	43	55	+9	2.4	0.04	—0.61	0	—1.2	0.04
		June . . .	.852	—058	N 18 W	2.0	75.1	66.0	91.1	+1.3	98	61.3	—2.8	49	62	+18	1.4	0.19	—0.08	0	—0.8	0.09
		July . . .	.258	—112	N 63 W	2.0	78.1	67.6	93.3	+0.8	106	66.9	—0.8	59	58	+9	1.3	0.66	+0.42	1	+0.2	0.52
		August . . .	.304	—146	N 45 W	1.2	78.3	69.0	95.6	+5.1	105	65.4	—0.3	58	61	+7	0.5	0.03	—0.50	0	—1.6	0.02
		September . . .	.457	—113	N 45 E	0.7	71.4	59.6	88.7	+4.9	100	56.3	—0.7	49	48	—7	0.5	0.08	—0.19	0	—0.7	0.08
		October . . .	.608	—072	Calm	0.2	56.6	40.5	73.8	+2.9	93	45.2	+2.5	29	59	+2	1.7	0.65	+0.63	1	+0.9	0.58
		November . . .	.022	—108	Calm	0	37.6	34.9	53.4	+0.1	65	27.8	—0.7	23	53	—14	1.8	0	—0.15	0	—1.1	0
		December . . .	.614	—136	Col.	0	23.9	..	39.2	+1.9	50	17.9	+1.2	10	..	..	2.4	0	—0.14	0	—0.4	0
		Year . . .	25.463	—107	..	0.8	53.4	..	69.5	+2.3	106	43.1	+0.1	4	57	+4	2.6	1.72	—1.44	2	—7.6	0.58
Aden (Arabia) (98).		January . . .	29.898	—018	N 62 E	10.7	75.1	70.5	83.6	+3.7	85	73.4	+0.8	70	79	+3	4.4	0	—0.82	0	—0.8	0
		February . . .	.834	—052	N 61 E	6.1	77.1	72.7	84.8	+4.0	89	75.4	+2.1	73	80	+3	6.1	0.23	+0.04	1	+0.6	0.20
		March . . .	.851	+024	N 51 E	5.8	78.8	75.1	87.5	+4.1	90	76.7	+1.4	73	84	+7	4.5	0	—0.48	0	—0.6	0
		April . . .	.769	—002	N 62 E	6.7	81.3	77.5	91.2	+3.0	96	79.3	+1.3	77	81	+5	3.1	0	—0.18	0	—0.3	0
		May . . .	.716	+013	N 47 E	5.3	85.3	80.5	96.3	+3.6	101	81.6	+0.1	78	80	+4	3.2	0	—0.13	0	—0.3	0
		June . . .	.626	+039	S 82 E	8.3	83.1	84.9	96.3	+1.4	101	85.7	+1.6	83	88	+16	4.9	0	—0.06	0	—0.1	0
		July . . .	.564	+013	S 5 E	9.9	87.8	83.5	95.1	+1.6	99	85.3	+2.6	76	82	+10	3.7	0	—0.03	0	0	0
		August . . .	.568	—010.	S 11 W	14.4	81.2	76.4	92.2	+0.1	107	74.8	—5.9	63	78	+4	5.7	0	—0.12	0	—0.3	0
		September . . .	.665	0	N 71 E	6.7	85.0	81.1	95.1	+1.9	99	82.5	+0.1	73	83	+6	4.4	1.98	+1.33	1	+0.7	1.98
		October . . .	.777	—026	N 60 E	7.3	82.8	77.5	94.5	+4.9	99	79.7	+1.8	73	77	+5	2.2	0	—0.09	0	—0.2	0
		November . . .	.866	—012	N 56 E	6.9	77.6	72.0	83.8	+4.1	94	74.9	+0.3	71	75	+2	4.0	0	—0.08	0	—0.1	0
		December . . .	.924	+005	N 49 E	5.3	74.4	67.9	85.1	+4.0	80	71.6	—1.5	67	70	—4	5.5	0.06	—0.05	0	—0.2	0.06
Year . . .	29.755	—002	..	7.8	81.3	76.6	90.9	+3.1	107	78.4	+0.4	67	80	+5	4.3	2.27	+0.33	2	—1.6	1.98		

(a) Mean of 30 days.

(m) Mean of 18 days.

(z) Mean of 9 months.

MONTHLY AND ANNUAL TABLE D-3 FOR 1931—concl'd.

Abstract of 8 hrs. (local time) observations.

1	2	PRESSURE.		WIND.		TEMPERATURE.							HUMIDITY.		CLLOUD.	RAINFALL.					
		3	4	5	6	Mean 8 hrs.		Maximum.			Minimum.		15	16	17	18	19	20	21	22	
						7	8	9	10	11	12	13									14
Station and height of barometer above sea-level in feet.	MONTH.	At 8 hrs. reduced to 32° F. and standard gravity.	Departure from normal.	Mean direction at 8 hrs.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month or year.	Mean.	Departure from normal.	Lowest in month or year.	Mean 8 hrs.	Departure from normal.	Mean amount 8 hrs.	Total of the month or year.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month or year.
Lauibar (East Africa) (56).	January . . .	29-838	-.007	N 18 E	4.5	83.7	78.8	87.9	+1.7	90	81.0	+1.5	78	77	-4	7.2	2.54	-0.29	8	+3.1	0.57
	February . . .	.823	-.020	N 31 E	3.5	84.3	79.2	87.9	+1.0	93	80.6	+0.7	75	79	0	7.9	10.93	+8.73	12	+8.4	2.65
	March . . .	.855	+0.017	S 81 W	3.1	83.9	79.0	88.7	+1.9	92	80.8	+1.4	76	79	-3	7.5	3.05	-3.01	8	-0.4	1.07
	April . . .	.871	+0.008	S 35 W	5.6	80.8	77.4	85.7	+1.2	91	78.5	+1.1	75	85	-1	8.0	14.35	+0.28	15	-0.1	3.19
	May . . .	.922	-.006	S 29 W	6.8	78.4	75.4	83.1	+0.3	87	76.2	+0.4	73	86	0	8.3	19.42	+8.88	15	+3.5	4.30
	June . . .	80-018	+0.026	S 29 W	7.5	76.7	72.3	82.5	+0.7	85	74.9	+0.7	72	79	-5	7.1	0.94	-0.97	4	+0.6	0.46
	July . . .	29-980	-.039	S 38 W	5.8	76.1	73.0	82.4	+1.7	84	74.2	+1.4	73	86	+1	7.6	1.12	-1.24	4	-0.9	0.43
	August . . .	80-014	+0.001	S 36 W	5.7	76.3	73.7	83.1	+2.0	86	74.2	+1.5	73	88	+4	7.6	0.60	-1.01	4	-0.2	0.20
	September . . .	29-975	-.018	S 24 W	4.8	76.9	72.9	83.6	+1.2	87	74.0	+0.4	72	82	-1	7.4	2.86	+0.75	6	+1.0	1.23
	October . . .	.973	+0.025	S 11 W	3.6	79.2	74.5	84.2	+0.8	86	75.0	-0.2	73	80	-2	7.2	3.72	+0.12	9	+3.2	0.78
	November . . .	.871	-.020	S 53 W	2.8	81.4	76.7	86.0	+1.5	89	77.8	+0.5	75	81	-1	6.9	5.52	-2.01	6	-4.0	2.70
	December . . .	.852	-.003	N 2 E	4.5	81.9	77.4	86.2	+0.3	88	78.9	-0.3	75	81	0	7.7	7.39	+2.09	14	+5.7	1.46
Year . . .	29-916	-.003	..	..	4.9	80.0	75.8	85.1	+1.2	93	77.2	+0.8	72	82	-1	7.5	72.50	+12.32	105	+19.3	4.30
Hinaldi (Bagdad) 6 hrs. (G. M. T.) or 8 hrs. 57 mins. (local time) (Iraq) 108 ft.	January . . .	29-948	..	N 68 W	2.0	47.0	43.7	62.0	..	71	40.7	..	26	75	..	4.0	0.41	..	2	..	0.22
	February . . .	.918	..	N 57 W	1.6	49.1	45.4	64.5	..	70	41.9	..	29	73	..	3.5	1.11	..	3	..	0.09
	March . . .	.901	..	N 60 W	2.7	50.8	52.1	75.0	..	93	49.0	..	34	56	..	3.7	0.15	..	0	..	0.17
	April . . .	.775	..	N 68 W	1.8	72.7	60.7	84.4	..	93	58.3	..	47	47	..	3.6	0.81	..	1	..	0.71
	May . . .	.708	..	N 41 W	2.4	83.6	65.0	94.7	..	105	66.4	..	56	36	..	2.5	1.69	..	4	..	0.63
	June . . .	.574	..	N 43 W	3.4	91.9	70.1	104.5	..	114	73.8	..	67	31	..	0.5	0	..	0	..	0
	July . . .	.400	..	N 43 W	4.1	96.0	72.3	111.3	..	116	80.1	..	74	29	..	0	0	..	0	..	0
	August . . .	.396	..	N 42 W	4.4	93.0	71.6	110.7	..	115	78.4	..	72	33	..	0	0	..	0	..	0
	September . . .	.618	..	N 32 W	3.5	89.1	68.4	106.7	..	115	73.1	..	65	32	..	0.8	0	..	0	..	0
	October . . .	.853	..	N 53 W	3.2	72.6	56.7	91.1	..	100	58.3	..	47	32	..	0.9	0	..	0	..	0
	November . . .	29-950	..	N 66 W	2.7	59.7	52.7	73.8	..	90	49.9	..	33	61	..	4.0	0.53	..	1	..	0.37
	December . . .	80-055	..	N 74 W	3.5	44.9	41.2	60.4	..	74	38.4	..	24	72	..	4.0	0.53	..	1	..	0.53
Year . . .	29-758	..	..	..	2.9	71.6	58.3	86.6	..	116	59.0	..	24	48	..	2.3	5.23	..	12	..	0.71

**Table D-4.—Abstract of observations taken at 8 hrs. (local time)
at 18 fourth class stations, in the year 1931.**

MONTHLY AND ANNUAL TABLE D-4 FOR 1931.

Abstract of 8 hrs. (local time) observations.

STATION.	MONTH.	WIND.		TEMPERATURE.									HUMIDITY.			CLOUD	RAINFALL				
		Mean Direction at 8 hrs.	Mean velocity in miles per hour.	Mean 8 hrs.			Maximum.			Minimum.			Mean 8 hrs.	Departure from normal.	Mean amount 8 hrs.	Total of the month or year.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month or year.	
				Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month or year.	Mean.	Departure from normal.	Lowest in month or year.										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Lumding (Assam)	January	..	..	55.1	54.6	73.5	-1.0	78	52.2	+4.3	49	97	+2	..	0.30	-0.12	1	+0.1	0.15
	February	..	..	57.4	56.5	77.1	-0.9	87	51.5	+1.2	44	94	+3	..	1.23	-0.66	3	-0.7	0.55
	March	..	..	62.8	60.8	80.2	+1.1	96	57.9	+0.4	49	89	+6	..	2.06	-0.52	5	0	0.80
	April	..	..	74.6	70.1	90.3	+3.2	99	69.0	+4.5	64	79	-1	..	2.32	-1.80	9	-0.6	0.40
	May	..	..	75.9	73.1	87.8	-2.3	97	71.0	+0.4	59	86	+4	..	6.07	+0.38	12	+2.3	1.05
	June	..	..	80.4	77.2	89.7	-1.1	99	75.6	+1.2	71	87	+5	..	10.28	+2.33	12	0	3.30
	July	..	..	81.5	78.1	90.9	-0.4	94	77.1	+2.0	75	85	0	..	5.49	-3.12	10	-3.0	1.40
	August	..	..	81.4	78.7	93.0	+2.3	100	77.9	+1.6	75	89	+2	..	8.29	+0.92	9	-2.4	3.90
	September	..	..	78.2	76.4	87.8	-1.9	91	75.0	+0.4	72	91	+2	..	8.36	+1.43	12	+1.4	2.75
	October	..	..	75.0	73.9	85.9	+0.1	90	72.2	+2.5	68	95	+4	..	3.34	-0.96	7	+1.2	1.15
	November	..	..	63.6	63.1	77.7	-2.5	82	59.7	+0.2	54	97	+2	..	0.72	+0.03	2	+0.6	0.38
	December	..	..	57.1	56.8	73.4	-1.2	77	53.2	+2.8	48	97	+2	..	0.02	-0.39	0	-1.2	0.02
Year	..	..	70.3	68.3	84.4	-0.4	100	66.0	+1.8	44	91	+3	..	48.48	-2.58	82	-2.4	3.30	
Messa Salma (Assam)	January	..	..	55.9	56.4	76.3	-2.7	79	51.3	+5.5	46	85	+9	..	0.69	-0.50	0	-1.3	0.05
	February	..	..	63.1	59.3	79.4	-1.1	88	55.3	+6.0	47	78	+1	..	0.21	-1.08	0	-3.3	0.05
	March	..	..	66.9	63.6	87.8	+0.9	98	58.5	+2.2	50	73	..	..	1.39	-1.22	3	-2.3	0.83
	April	..	..	75.9	70.3	88.2	-0.5	96	68.2	+5.0	63	75	-1	..	5.78	-0.04	15	+3.3	1.43
	May	..	..	78.3	73.8	88.1	-3.4	92	71.1	+2.9	66	80	+3	..	13.04	+4.98	17	+3.6	1.59
	June	..	..	82.2	78.1	89.6	-3.2	96	75.9	+1.5	72	83	+3	..	13.09	-0.13	16	-1.7	1.84
	July	..	..	83.2	79.1	91.4	-1.8	96	77.3	+1.8	75	83	0	..	20.02	+2.05	21	+0.8	3.76
	August	..	..	84.9	80.8	94.1	+0.4	100	78.1	+2.7	76	83	0	..	8.77	-8.07	15	-4.0	1.80
	September	..	..	81.4	77.8	89.5	-3.9	93	75.5	+1.4	72	85	+3	..	8.78	-1.99	16	+0.6	1.60
	October	..	..	80.2	75.7	91.1	+0.5	96	71.2	+3.0	66	80	+1	..	8.63	+3.65	9	+1.4	3.41
	November	..	..	69.8	65.4	83.6	-2.7	88	59.7	+2.7	55	77	0	..	0.65	+0.14	2	+0.8	0.52
	December	..	..	61.7	58.3	78.7	-1.8	85	52.1	+5.2	46	80	+4	..	0.52	+0.08	2	+0.8	0.30
Year	..	..	74.0	69.9	86.5	-1.6	100	66.2	+2.3	46	80	+2	..	80.97	-2.13	115	-1.3	3.76	
Brahmanbaria (Bengal)	January	..	..	57.5	54.5	77.5	-1.7	79	49.7	-2.9	48	81	0	..	0	-0.22	0	-0.7	0
	February	..	..	60.7	56.3	81.6	-0.4	86	52.2	-3.3	49	74	-4	..	0.49	-0.27	1	-1.2	0.26
	March	..	..	70.5	64.6	91.5	+2.6	97	60.8	-3.3	55	71	-6	..	3.15	-0.57	2	-2.4	2.66
	April	..	..	79.7	73.5	98.2	+7.5	99	70.3	+0.7	66	74	-5	..	2.55	-5.10	3	-5.4	1.87
	May	..	..	76.4	68.7	93.8	+2.9	99	66.3	-7.4	60	67	-13	..	16.08	+4.12	18	+6.3	2.50
	June	..	..	82.2	75.7	92.3	+3.1	96	71.5	-3.7	66	78	-10	..	9.73	-6.80	11	-5.4	2.50
	July	..	..	81.4	78.9	88.9	0	91	75.1	-1.2	74	89	+5	..	10.14	-1.57	15	-1.3	2.41
	August	..	..	81.5	79.1	90.5	+1.7	92	76.8	+0.3	75	89	+5	..	6.87	-5.41	10	-7.2	3.20
	September	..	..	81.5	78.9	90.4	+0.4	92	76.7	+0.2	75	89	+6	..	8.30	-1.44	12	-1.1	2.04
	October	..	..	81.9	78.2	91.0	+2.3	93	76.1	+2.8	78	85	+5	..	7.09	+0.83	7	+0.1	2.60
	November	..	..	74.4	70.9	85.3	-0.4	89	67.4	+3.3	64	83	+7	..	3.82	+3.12	3	+1.9	2.50
	December	..	..	65.4	62.7	80.5	+0.1	83	57.4	+3.2	53	81	+4	..	0	-0.81	0	-0.7	0
Year	..	..	74.5	70.2	88.5	+1.4	99	66.7	-0.9	48	80	0	..	68.22	-14.22	82	-17.1	3.20	

MONTHLY AND ANNUAL TABLE D-4 FOR 1931—contd.

Abstract of 8 hrs. (local time) observations.

STATION.	Month.	WIND.		TEMPERATURE.						HUMIDITY.		CLLOUD	RAINFALL.						
		Mean Direction at 8 hrs.	Mean velocity in miles per hour.	Mean 8 hrs.		Maximum.			Minimum.			Mean 8 hrs.	Departure from normal.	Mean amount 8 hrs.	Total of the month or year.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month or year.
				Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month or year.	Mean.	Departure from normal.	Lowest in month or year.								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Golundo (Bengal)	January . . . . .	..	..	65.1	60.9	79.2	+5.8	86	53.8	+2.9	49	78	-2	..	0	-0.21	0	-0.7	0
	February . . . . .	..	..	67.6	62.1	80.2	-1.7	87	56.7	+3.3	45	72	-4	..	1.04	-0.35	3	+0.6	0.50
	March . . . . .	..	..	76.7	67.9	91.1	+0.3	100	62.0	+0.1	52	61	-13	..	1.54	-0.79	2	-1.8	1.29
	April . . . . .	..	..	84.6	77.3	97.8	+3.2	104	74.6	+3.5	66	70	-8	..	4.19	-0.08	5	-1.1	1.40
	May . . . . .	..	..	81.7	77.8	90.8	-2.1	102	73.3	-0.5	67	83	+3	..	14.78	+6.49	14	+4.1	3.62
	June . . . . .	..	..	86.0	81.7	92.7	+2.8	99	78.4	+2.1	78	82	-3	..	12.30	-0.54	18	-3.4	3.02
	July . . . . .	..	..	83.2	80.2	88.3	-0.1	92	78.2	+0.9	76	87	+1	..	14.31	+2.61	20	+3.5	2.05
	August . . . . .	..	..	85.1	80.8	88.1	-0.3	90	80.6	+3.0	74	81	-4	..	7.29	-4.58	15	-1.9	0.82
	September . . . . .	..	..	83.8	80.4	88.9	-0.6	93	79.0	+1.5	76	85	+3	..	14.30	+5.53	16	+4.0	4.80
	October . . . . .	..	..	82.1	77.7	87.8	-1.6	98	76.6	+3.5	71	81	+4	..	6.38	+0.77	6	-0.1	2.05
	November . . . . .	..	..	71.2	67.5	83.1	-1.6	87	64.5	+1.8	60	82	+6	..	3.89	+3.82	3	+2.4	2.00
	December . . . . .	..	..	63.5	61.1	78.8	+0.8	85	56.3	+4.3	48	86	+8	..	0	-0.23	0	-0.4	0
Year . . . . .	..	..	77.5	72.9	87.2	+0.4	104	69.5	+2.2	45	79	-1	..	80.02	+11.94	97	+5.2	4.80	
Pabna (Bengal)	January . . . . .	..	..	62.1	59.4	81.7	+2.5	86	54.1	+1.3	49	85	+3	..	0.16	-0.13	1	+0.4	0.16
	February . . . . .	..	..	65.0	62.0	81.4	-1.4	91	56.8	+0.9	47	84	+7	..	1.93	+0.86	9	+7.3	0.46
	March . . . . .	..	..	73.5	67.6	91.0	-0.2	100	62.4	-1.4	55	72	-3	..	2.34	+0.97	3	+0.3	1.56
	April . . . . .	..	..	82.5	78.7	99.9	+4.0	107	73.8	+2.5	64	83	+4	..	0.04	-2.84	0	-4.7	0.02
	May . . . . .	..	..	81.5	78.2	92.9	-1.7	111	74.7	+0.1	67	85	+3	..	11.36	+4.28	13	+3.9	1.90
	June . . . . .	..	..	84.6	81.8	94.5	+3.2	102	78.8	+3.8	73	87	+1	..	10.54	-1.25	13	-1.6	3.35
	July . . . . .	..	..	81.7	79.6	89.6	-0.8	93	77.8	+1.5	74	91	+4	..	9.57	-2.21	15	-1.7	2.04
	August . . . . .	..	..	83.8	81.1	90.6	+0.5	93	79.7	+3.4	77	89	+2	..	11.02	+0.75	18	+2.0	2.90
	September . . . . .	..	..	83.7	80.5	90.5	-1.1	94	78.6	+2.2	75	87	+3	..	8.22	-0.04	14	+2.7	1.91
	October . . . . .	..	..	81.1	77.4	89.6	-1.5	95	75.3	+2.4	68	85	+5	..	2.50	-2.93	8	+2.6	0.58
	November . . . . .	..	..	70.9	67.4	83.6	-2.9	90	63.3	-0.5	57	82	+3	..	3.51	+2.96	2	+1.2	2.47
	December . . . . .	..	..	64.4	61.1	81.1	+1.1	85	56.6	+2.1	50	81	+1	..	0	-0.19	0	-0.4	0
Year . . . . .	..	..	76.2	72.9	88.9	+0.2	111	69.3	+1.5	47	84	+3	..	61.19	+0.23	96	+12.0	3.35	
Jambhampur (Chota Nagpur).	January . . . . .	..	..	60.2	57.2	81.8	..	87	54.7	..	49	85	..	..	0.10	..	1	..	0.10
	February . . . . .	..	..	65.0	61.9	81.8	..	92	60.4	..	49	84	..	..	3.89	..	7	..	1.17
	March . . . . .	..	..	72.6	65.2	91.7	..	104	64.2	..	55	65	..	..	0.86	..	3	..	0.40
	April . . . . .	..	..	86.0	73.2	106.1	..	112	75.7	..	70	51	..	..	0.09	..	0	..	0.09
	May . . . . .	..	..	86.8	77.1	104.1	..	113	78.2	..	72	63	..	..	1.92	..	5	..	0.48
	June . . . . .	..	..	88.3	79.4	103.0	..	115	79.9	..	72	68	..	..	5.81	..	9	..	2.56
	July . . . . .	..	..	80.7	78.0	89.0	..	95	77.1	..	74	89	..	..	12.55	..	20	..	2.33
	August . . . . .	..	..	81.6	79.4	89.9	..	95	78.1	..	75	91	..	..	15.60	..	19	..	2.02
	September . . . . .	..	..	81.5	78.4	89.8	..	93	77.0	..	72	83	..	..	7.58	..	10	..	2.58
	October . . . . .	..	..	77.3	74.7	86.8	..	92	72.7	..	65	86	..	..	3.23	..	6	..	0.92
	November . . . . .	..	..	65.1	63.2	82.0	..	89	59.6	..	53	89	..	..	2.68	..	2	..	1.45
	December . . . . .	..	..	57.6	55.7	77.7	..	81	52.0	..	45	83	..	..	0.02	..	0	..	0.02
Year . . . . .	..	..	75.3	70.3	90.3	..	115	69.1	..	45	79	..	..	54.23	..	82	..	2.56	

MONTHLY AND ANNUAL TABLE D-4 FOR 1931—contd.

Abstract of 8 hrs. (local time) observations.

STATION.	Month.	WIND.		TEMPERATURE.								HUMIDITY.		LOUD	RAINFALL.				
		Mean Direction at 8 hrs.	Mean velocity in miles per hour.	Mean 8 hrs.			Maximum.		Minimum.			Mean 8 hrs.	Departure from normal.	Mean amount 8 hrs.	Total of the month or year.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month or year.
				Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month or year.	Mean.	Departure from normal.	Lowest in month or year.								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Gurdaspur (Punjab)	January . . . . .	..	..	47.6	45.1	..	..	..	42.3	..	35	81	..	6.8	0.72	..	3	..	0.40
	February . . . . .	..	..	47.1	45.6	(a)	..	..	43.0	..	34	80	..	16.7	2.58	..	5	..	0.71
	March . . . . .	..	..	60.9	54.7	98.7	..	98	52.5	..	41	96	..	13.0	0.96	..	1	..	0.71
	April . . . . .	..	..	79.6	61.8	96.6	..	107	64.6	..	56	81	..	4.8	0.60	..	1	..	0.55
	May . . . . .	..	..	86.7	66.7	90.0	..	110	73.4	..	60	81	..	3.9	1.21	..	3	..	0.40
	June . . . . .	..	..	91.0	70.5	107.0	..	115	76.5	..	68	83	..	2.9	0.07	..	0	..	0.07
	July . . . . .	..	..	84.5	75.7	97.7	..	118	77.2	..	71	84	..	6.5	4.42	..	8	..	1.41
	August . . . . .	..	..	82.7	78.5	92.4	..	100	77.8	..	71	88	..	8.8	11.94	..	15	..	2.10
	September . . . . .	..	..	80.0	75.1	93.1	..	97	74.0	..	66	78	..	3.9	3.74	..	4	..	2.66
	October . . . . .	..	..	72.3	66.0	89.8	..	96	64.6	..	51	74	..	3.2	0.53	..	1	..	0.43
	November . . . . .	..	..	59.5	53.8	83.1	..	87	48.4	..	41	65	..	2.8	0	..	0	..	0
	December . . . . .	..	..	48.1	45.0	74.5	..	80	40.9	..	34	76	..	2.5	0	..	0	..	0
Year . . . . .	..	..	70.0	61.5	92.5	..	115	61.3	..	34	64	..	4.6	26.72	..	41	..	2.66	
Sargoda (Punjab)	January	N 45 W	0.8	45.7	43.0	60.3	..	77	40.4	..	32	80	..	2.5	0.58	..	1	..	0.58
	February	N 45 W	1.3	48.4	44.5	66.4	..	75	40.6	..	30	71	..	3.2	0.14	..	1	..	0.11
	March	N 11 E	1.3	62.6	55.5	82.2	..	98	49.8	..	39	61	..	2.1	0.01	..	3	..	0.54
	April	N 87 W	1.7	80.1	64.3	97.8	..	109	63.2	..	54	87	..	3.4	0.23	..	1	..	0.14
	May	N 34 E	2.1	86.0	66.9	102.2	..	110	70.9	..	58	83	..	2.3	1.48	..	2	..	0.67
	June	N 12 W	1.8	91.9	71.3	107.4	..	117	77.6	..	71	88	..	3.3	1.04	..	3	..	0.61
	July	N 85 E	2.3	85.7	77.3	99.2	..	114	77.1	..	70	86	..	2.7	4.19	..	6	..	1.68
	August	N 67 E	2.1	86.8	80.5	99.0	..	109	80.4	..	73	74	..	3.1	2.87	..	3	..	1.73
	September	N 53 E	1.5	82.2	75.2	96.1	..	101	73.5	..	69	71	..	1.1	1.07	..	3	..	0.56
	October	N 79 E	1.3	72.7	66.3	90.9	..	99	62.3	..	49	72	..	0.9	0.88	..	3	..	0.56
	November	N 45 W	0.3	57.7	53.1	81.1	..	85	47.6	..	42	72	..	1.4	0	..	0	..	0
	December	W	0.3	43.3	42.9	72.0	..	77	36.9	..	29	92	..	1.5	0	..	0	..	0
Year . . . . .	..	1.5	70.3	61.3	88.6	..	117	69.1	..	29	68	..	2.3	13.49	..	26	..	1.73	
Jammu (Kashmir)	January	N 35 E	..	53.2	47.4	69.1	+3.2	78	49.9	+1.7	44	62	-9	4.5	1.74	-0.64	3	-0.8	0.75
	February	N 51 E	..	51.9	47.8	64.2	-4.5	72	48.5	-2.4	39	74	+7	5.6	2.41	+0.05	4	+0.5	0.99
	March	N 20 E	..	65.3	54.7	79.4	+1.7	97	60.1	+2.9	44	48	-6	2.6	2.11	-0.54	3	-1.5	1.43
	April	N 21 E	..	80.6	61.4	95.6	+7.5	105	73.6	+6.6	65	39	-17	4.3	0	-1.73	0	-3.6	0
	May	N 30 E	..	84.7	65.7	100.0	+1.5	109	77.8	+0.9	61	33	-7	3.3	2.09	+1.30	4	+1.6	1.03
	June	N 24 E	..	91.9	69.2	105.2	+4.3	114	83.9	+2.3	76	29	-22	2.0	6.24	-2.34	1	-3.4	0.34
	July	N 72 E	..	84.0	75.3	95.6	+0.1	112	79.4	+0.4	70	66	-4	4.2	7.63	-3.72	9	-1.3	2.43
	August	N 36 E	..	81.8	78.9	92.0	-0.2	99	78.0	+1.0	73	89	+6	5.8	19.18	+4.79	17	+4.9	2.95
	September	N 32 E	..	79.8	73.2	91.5	-0.6	96	76.2	+1.6	70	72	+4	2.6	5.43	+2.06	6	+2.4	3.90
	October	N 24 E	..	73.5	65.2	86.8	-1.6	94	69.1	+2.5	58	63	+3	2.3	2.34	+2.14	2	+0.7	2.56
	November	N 37 E	..	61.3	52.4	79.3	+2.7	88	57.5	+2.1	54	62	-6	2.0	0	-0.26	0	-0.7	0
	December	N 21 E	..	53.3	46.7	71.6	+4.2	77	56.4	+2.4	45	59	-6	1.5	0	-0.69	0	-2.5	0
Year . . . . .	..	..	71.8	61.4	85.9	+4.5	114	67.0	+1.7	39	56	-4	3.4	43.72	-2.46	49	-4.2	3.89	

(a) Mean of 18 days

(c) Mean of 10 months.

(b) Mean of 30 days.

MONTHLY AND ANNUAL TABLE D-4 FOR 1931—contd.

Abstract of 8 hrs. (local time) observations.

Table with columns: STATION, Month, WIND (Mean Direction at 8 hrs., Mean velocity in miles per hour), TEMPERATURE (Mean 8 hrs., Maximum, Minimum), HUMIDITY (Mean 8 hrs., Departure from normal, Mean amount 8 hrs.), CLOUD (Total of the month or year, Departure from normal), and RAINFALL (Number of rainy days, Departure from normal, Heaviest fall in month or year). Rows include stations like Kargil (Kashmir), Bann (N.W.F. Province), and Rawlak (N.W.F. Province) with monthly data from January to December and a Year total.

(1) Mean of 29 days. (2) Mean of 21 days.

(g) Mean of 27 days. (h) Mean of 15 days.

(i) Mean of 9 months. (j) Mean of 10 days.

(k) Mean of 26 days. (l) Mean of 23 days.

(m) Mean of 7 months.

MONTHLY AND ANNUAL TABLE D-4 FOR 1931—contd.

Abstract of 8 hrs. (local time) observations.

STATION.	Month.	WIND.		TEMPERATURE.						HUMIDITY.		LOUD	RAINFALL.							
		Mean Direction at 8 hrs.	Mean velocity in miles per hour.	Mean 8 hrs.		Maximum.			Minimum.			Mean 8 hrs.	Departure from normal.	Mean amount 8 hrs.	Total of the month or year.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month or year.	
				Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month or year.	Mean.	Departure from normal.	Lowest in month or year.									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Wana (N. W. F. Province.)	January	..	..	32.5	..	54.8	..	64	28.5	..	21	..	..	..	2.41	..	4	..	1.18
	February	..	..	39.1	..	48.6	..	59	29.0	..	21	..	..	..	2.79	..	8	..	0.85
	March	..	..	43.8	(g) 41.2	68.5	..	84	38.0	..	27	(g) 66	..	..	0.31	..	2	..	0.14
	April	..	..	57.5	50.3	81.3	..	90	52.6	..	45	62	..	..	0.89	..	3	..	0.50
	May	..	..	63.7	53.4	84.1	..	94	57.7	..	48	50	..	..	1.83	..	4	..	0.98
	June	..	..	70.5	57.6	91.6	..	98	64.1	..	55	40	..	..	0.44	..	1	..	0.30
	July	..	..	72.3	64.2	(t) 92.5	..	101	67.5	..	59	65	..	..	1.71	..	4	..	0.68
	August	..	..	76.0	68.3	14.0	..	99	71.6	..	65	69	..	..	1.32	..	4	..	0.41
	September	..	..	66.5	58.7	90.0	..	94	61.9	..	55	63	..	..	0.46	..	1	..	0.41
	October	..	..	55.1	49.6	80.6	..	90	50.1	..	35	69	..	..	0.66	..	1	..	0.66
	November	..	..	39.3	(f) 36.6	70.9	..	75	35.2	..	29	(f) 78	..	..	0	..	0	..	0
	December	..	..	31.0	..	60.7	..	63	27.1	..	17	..	..	..	0.13	..	0	..	0.05
Year	..	..	58.4	53.3*	75.1†	..	101	48.6	..	17	68*	..	..	12.95	..	32	..	1.18	
Duzdap (Baluchistan)	January	S 45 W	5.2	37.5	..	58.4	..	76	33.0	..	21	..	..	2.7	0	..	0	..	0
	February	N 45 W	6.4	35.2	..	44.6	..	59	31.6	..	17	..	..	5.9	1.55	..	4	..	0.61
	March	S 6 E	6.5	47.0	42.9	68.5	..	84	42.5	..	32	72	..	1.5	0.47	..	2	..	0.32	
	April	S 21 W	6.9	60.4	53.3	80.3	..	59	54.7	..	46	62	..	1.2	0.29	..	1	..	0.19	
	May	N 70 W	6.3	64.5	54.4	..	..	..	58.3	..	48	51	..	0.4	0.68	..	0	..	0.08
	June
	July
	August
	September
	October
	November
	December
Year	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bidar (Hyderabad) (Dn.)	January	S 89 E	(b) 6.7	65.5	57.5	84.0	+0.6	87	62.1	+1.6	58	54	-1	3.3	0	-0.22	0	-0.4	0	
	February	S 13 W	6.7	71.5	62.1	92.2	+3.8	90	68.0	+3.7	63	57	+2	1.5	0	-0.33	0	-0.7	0	
	March	S 27 W	6.5	76.9	63.8	96.2	+1.1	101	73.2	+2.8	68	47	0	4.5	0.52	+0.06	1	-0.1	0.44	
	April	S 59 W	6.6	84.1	68.0	102.0	+2.9	108	78.8	+3.7	67	42	-5	4.0	1.23	+0.08	3	+0.5	0.67	
	May	N 71 W	8.3	85.7	67.9	105.7	+5.2	110	81.2	+4.0	71	35	-17	4.3	0.03	-0.88	0	-2.3	0.03	
	June	S 81 W	10.8	78.2	71.5	95.3	+2.6	109	74.0	+1.7	64	72	-4	7.4	6.29	+1.32	8	+1.2	3.55	
	July	S 67 W	13.6	72.0	70.4	84.6	-1.1	90	70.7	+1.8	69	90	+6	8.7	17.22	+3.53	10	-2.0	6.33	
	August	S 63 W	13.5	72.4	70.3	83.0	-0.7	87	70.2	+2.3	69	90	+5	8.2	4.62	-2.57	8	-3.4	0.93	
	September	N 80 W	7.3	72.7	70.7	82.7	-1.5	87	70.4	+2.4	68	90	+7	7.7	9.02	-0.87	12	+0.6	1.49	
	October	N 82 W	6.5	71.9	67.9	88.9	-2.6	89	68.9	+1.3	62	81	+12	6.0	1.83	-0.87	3	-0.7	0.97	
	November	N 76 E	5.5	69.1	64.0	80.8	-2.5	86	64.2	+0.9	57	75	+12	4.4	2.83	+1.86	5	+3.5	1.32	
	December	N 69 E	5.3	64.8	56.9	77.9	-3.5	82	59.5	-0.9	56	61	0	4.4	0.13	-0.14	0	-0.6	0.07	
Year	..	..	8.1	73.7	65.8	89.0	+0.3	110	70.1	+2.1	56	67	+2	5.4	43.59	+3.84	50	-4.4	6.32

* Mean of 9 months. (g) Mean of 25 days. (b) Mean of 30 days. † Mean of 11 months. (f) Mean of 26 days. (r) Mean of 12 days. (j) Mean of 22 days.

MONTHLY AND ANNUAL TABLE D-4 FOR 1931—concl'd.

Abstract of 8 hrs. (local time) observations.

STATION.	Month.	WIND.		TEMPERATURE.								HUMIDITY.		CLOUD.	RAINFALL.				
		Mean Direction at 8 hrs.	Mean velocity in miles per hour.	Mean 8 hrs.		Maximum.			Minimum.			Mean 8 hrs.	Departure from normal.	Mean amount 8 hrs.	Total of the month or year.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month or year.
				Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month or year.	Mean.	Departure from normal.	Lowest in month or year.								
				5	6	7	8	9	10	11	12								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Jogmetti* (Mysore).	January .	S 67 E	..	64.1	59.7	76.7	..	80	58.6	..	56	77	..	1.7	0	..	0	..	0
	February .	S 39 E	..	70.5	62.3	85.8	..	90	63.9	..	58	63	..	0	0	..	0	..	0
	March .	S 60 W	..	75.8	62.5	83.3	..	92	68.0	..	63	45	..	0	0	..	0	..	0
	April .	N 82 W	..	74.9	68.2	91.8	..	96	68.2	..	64	71	..	0.1	0.08	..	0	..	0.08
	May .	N 72 W	..	72.0	67.3	90.2	..	95	66.0	..	62	76	..	0.9	3.19	..	4	..	1.44
	June .	N 75 W	..	68.9	66.9	79.8	..	35	65.5	..	63	90	..	5.7	4.59	..	6	..	1.66
	July .	N 71 W	..	65.6	64.8	74.1	..	80	63.5	..	62	95	..	9.7	2.32	..	7	..	0.54
	August .	N 77 W	..	65.7	65.0	73.0	..	78	64.1	..	63	96	..	10.0	2.90	..	16	..	0.40
	September	N 68 W	..	65.6	63.4	74.8	..	79	62.6	..	61	89	..	7.4	2.83	..	6	..	0.95
	October .	N 68 W	..	66.3	63.1	77.6	..	82	62.0	..	61	84	..	5.0	0.61	..	2	..	0.29
	November .	S 67 E	..	65.9	64.0	76.4	..	81	61.5	..	57	90	..	5.5	6.42	..	8	..	2.85
	December .	S 69 E	..	64.0	62.0	74.0	..	79	59.0	..	56	89	..	4.2	1.56	..	6	..	0.45
	Year	68.3	64.1	80.3	..	96	63.6	..	56	80	..	4.2	24.50	..	54	..	2.85
Gumli (Yatung) (Sikkim).	January .	..	..	24.6	..	46.3	+1.8	51	21.0	+0.9	18	..	..	2.6	0	-0.66	0	-1.9	0
	February .	..	..	27.6	..	53.9	+10.4	68	23.2	+1.1	19	..	..	3.9	1.28	-0.52	5	+1.6	0.81
	March .	..	..	31.9	..	55.6	+4.9	64	27.2	-1.5	18	..	..	3.4	0.87	-1.47	4	-2.4	0.66
	April .	..	..	39.2	38.3	62.4	+6.6	65	34.3	-1.0	29	93	+11	2.9	1.93	-2.56	6	-4.9	0.66
	May .	..	..	43.8	40.8	62.5	+2.7	71	42.1	-0.6	33	88	+5	4.5	3.00	-1.41	13	+1.4	0.58
	June .	..	..	52.4	50.5	65.8	+2.4	72	46.3	-2.9	38	89	+1	4.5	3.76	-3.01	9	-6.4	0.80
	July .	..	..	56.6	55.5	66.1	+1.6	69	51.6	0	43	94	+5	6.0	6.57	-0.85	18	-1.4	1.58
	August .	..	..	55.8	54.7	68.5	+4.7	75	50.6	-0.4	47	94	+6	5.8	4.32	-2.70	12	-7.7	0.05
	September	..	..	54.3	53.2	63.6	+1.2	69	49.6	+2.2	44	94	+6	7.7	5.18	+0.11	11	-0.9	0.94
	October .	..	..	43.2	..	61.7	+3.8	63	38.1	+0.8	24	..	..	2.4	0.66	-1.7	3	-0.8	0.47
	November .	..	..	29.8	..	51.6	-0.2	59	25.5	-3.0	22	..	..	1.5	0	-0.24	0	-0.6	0
	December .	..	..	24.2	..	50.9	+5.4	67	20.3	-2.2	15	..	..	2.7	0.12	-0.03	1	+0.4	0.12
	Year	40.7	..	59.0	+3.7	75	35.8	-0.6	15	(h) 92	(h) +6	4.0	28.29	-14.61	82	-23.6	1.58
Abadan (Persia) 9 hrs. Observations.	January .	N 88 W	6.9	55.3	50.1	66.3	+1.7	75	45.2	-1.4	27	68	-5	3.4	0.39	-1.08	2	-2.3	0.27
	February .	S 78 W	4.9	55.9	51.7	67.2	-1.6	77	47.4	-1.4	30	75	+5	4.0	2.80	+0.79	3	+0.3	1.62
	March .	S 82 W	9.1	66.8	54.8	77.9	-1.4	93	53.7	-3.0	41	41	-16	2.1	0.01	-0.60	0	-1.5	0.61
	April .	S 22 W	6.8	77.9	63.3	87.7(c)	-2.8	95	64.1(c)	-1.1	51	40	-9	4.0	2.04	+1.55	1	+0.1	1.90
	May .	N 36 W	7.6	88.7	67.6	97.9	-4.3	109	73.9	-0.7	66	29	-10	2.1	0.27	+0.11	2	+1.6	0.16
	June .	N 64 W	9.5	97.1	70.3	107.9	-1.8	115	79.6	-0.4	73	21	-12	0.1	0	0	0	0	0
	July .	N 70 W	11.2	101.4	71.3	112.5	0	118	83.6	+0.4	78	18	-18	0.1	0	0	0	0	0
	August .	S 83 W	9.7	97.8	69.9	111.2	-1.1	116	82.0	+0.8	73	20	-15	0.2	0	0	0	0	0
	September	N 84 W	8.0	94.8	70.7	108.1	+0.3	117	77.1	+1.1	68	26	-18	0.1	0	-0.01	0	0	0
	October .	N 65 W	8.0	80.4	60.9	95.0	-1.3	108	63.4	-4.1	54	26	-22	0	0	-0.16	0	-0.2	0
	November .	N 43 W	6.2	66.9	57.6	78.8	-1.9	91	53.6	-3.6	41	53	-11	2.2	0.18	-1.60	0	-2.5	0.07
	December .	N 67 W(d)	6.7	53.1	46.7	65.9	-1.9	81	42.4	-5.9	24	58	-18	2.6(f)	0.02	-1.03	0	-2.5	0.01
	Year	7.9	78.0	61.2	89.7	-1.3	118	63.8	-1.6	24	40	-12	2.6	5.71	-2.03	8	-7.0	1.90

(A) Mean of 6 months.

(c) Mean of 29 days. (d) Mean of 28 days. * Data supplied by the Meteorological. Reported to the Government of Mysore.

(f) Mean of 26 days.

**Table D-5.—Abstract of observations taken at 8 hrs. (local time)
at 29 fifth class stations, in the year 1931.**

STATION. 1	JANUARY.					FEBRUARY.					MARCH.				
	2 Number of rainy days.	3 Departure from normal.	4 Rainfall of month.	5 Departure from normal.	6 Heaviest rainfall during month.	7 Number of rainy days.	8 Departure from normal.	9 Rainfall of month.	10 Departure from normal.	11 Heaviest rainfall during month.	12 Number of rainy days.	13 Departure from normal.	14 Rainfall of month.	15 Departure from normal.	16 Heaviest rainfall during month.
BENGAL—															
Comilla	0	-0.8	0	-0.29	0	3	+1.0	1.51	+0.33	0.80	2	-1.7	1.52	-1.43	1.40
Feridpur	0	-0.9	0	-0.45	0	4	+1.8	1.12	-0.20	0.45	1	-2.2	1.15	-1.18	1.00
Sirajganj	0	-0.7	0.03	-0.29	0.08	2	+0.4	0.44	-0.33	0.21	2	-0.3	1.64	+0.31	1.45
Rampur Boalla	0	-0.8	0	-0.35	0	4	+2.5	0.94	+0.36	0.38	2	0	2.98	+1.78	2.58
Malda	0	-0.9	0	-0.55	0	2	+0.3	0.67	-0.17	0.47	2	+0.7	1.08	+0.37	0.90
Bangpur	0	-0.9	0	-0.34	0	1	-0.3	0.19	-0.50	0.15	1	-0.8	1.82	+0.69	1.74
Cooch Behar	0	-0.5	0	-0.19	0	1	-0.8	0.50	-0.37	0.41	2	-0.7	2.32	+0.41	1.38
Krishnagar	0	-0.9	0	-0.44	0	5	+3.3	1.13	-0.07	0.25	2	-0.4	0.73	-1.09	0.37
Bankura	1	-0.2	0.15	-0.36	0.15	9	+7.1	3.75	+2.71	1.29	1	-1.2	1.57	+0.32	1.53
BIHAR AND ORISSA—															
Hazaribagh* . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bhagalpur	0	-1.0	0	-0.48	0	4	+2.4	0.87	+0.15	0.46	2	+0.6	0.84	+0.27	0.61
Muzaffarpur	0	-1.1	0.04	-0.48	0.04	1	-0.6	0.87	+0.33	0.80	1	-0.1	0.16	-0.31	0.16
Motihari	0	-1.1	0.02	-0.46	0.02	1	-0.3	0.46	-0.09	0.29	0	-0.9	0.11	-0.39	0.06
Chapra	0	-1.2	0	-0.55	0	3	+1.4	1.80	+1.17	1.47	0	-1.1	0.05	-0.33	0.05
Arrah	0	-1.2	0	-0.63	0	3	+1.5	1.53	+0.79	1.15	0	-1.1	0	-0.47	0
Dehri	0	-1.4	0	-0.58	0	5	+3.2	2.98	+2.20	1.70	1	-0.2	0.21	-0.26	0.21
UNITED PROVINCES—															
Meerut* . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
KASHMIR—															
Sonamarg* . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
BALUCHISTAN—															
Harnai* . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pishin	10	+5.9	3.89	+2.04	1.04	10	+6.3	6.30	+4.56	1.35	4	-0.8	2.17	+0.07	0.96
RAJPUTANA—															
Udaipur* . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
HYDERABAD (DECCAN)—															
Farbhani* . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
MADRAS—															
Palamcottah* . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
HILL STATIONS EXCLUSIVE OF KASHMIR—															
Gnatong	2	-1.0	0.25	-2.55	0.10	3	-6.6	0.70	-7.22	0.35	7	-4.8	3.35	-5.17	0.85
Lachung	0	-2.6	0	-0.59	0	11	+3.9	3.58	+0.57	0.99	7	-5.8	3.58	-2.70	1.01
Dharampur* . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dalhouse* . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rakloh	6	..	3.42	..	1.13	13	..	9.78	..	1.96	4	..	3.16	..	1.83
Kyeleng	6	+0.4	2.77	-0.09	1.04	8	+2.1	2.99	+0.80	0.60	6	-1.8	1.81	-2.24	0.56

* The monthly data are published in M. W. R.

TABLE D-5 FOR 1931.

(local time) observations.

APRIL.					MAY.					JUNE.					JULY.				
Number of rainy days.	Departure from normal.	Rainfall month.	Departure from normal.	Heaviest rainfall during month.	Number of rainy days.	Departure from normal.	Rainfall month.	Departure from normal.	Heaviest rainfall during month.	Number of rainy days.	Departure from normal.	Rainfall month.	Departure from normal.	Heaviest rainfall during month.	Number of rainy days.	Departure from normal.	Rainfall month.	Departure from normal.	Heaviest rainfall during month.
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
8	-4.3	2.20	-4.38	1.45	16	+4.5	20.38	+8.61	5.50	13	-4.5	11.67	-6.38	2.12	25	+6.8	26.56	+11.51	3.73
5	-1.4	4.55	-0.17	1.77	18	+7.0	21.01	+11.97	3.63	11	-4.4	10.72	-2.64	5.30	24	+6.4	13.27	+0.44	1.55
4	-0.8	1.10	-2.21	0.43	16	+5.8	11.98	+4.10	2.96	12	-2.7	10.22	-2.19	2.65	16	+0.4	13.73	+2.24	3.66
1	-1.8	0.46	-1.32	1.46	8	+0.6	3.62	-1.65	0.63	13	-0.1	10.65	-0.52	3.33	19	+4.0	13.59	+2.78	2.96
0	-2.1	0	-1.13	0	4	-1.8	2.10	-2.40	0.90	5	-6.6	3.78	-6.57	1.27	20	+5.4	20.26	+9.29	8.16
6	+0.5	4.01	+0.92	1.31	11	-0.7	15.77	+4.84	3.14	14	-2.0	15.39	-2.22	3.52	20	+4.9	29.07	+13.81	3.93
9	+1.7	9.13	+3.70	2.10	22	+7.7	22.76	+6.96	3.32	21	+2.5	31.41	-1.50	4.07	26	+6.4	42.35	+12.01	6.07
1	-3.1	0.51	-2.04	0.47	7	-0.9	8.00	+1.00	2.84	10	-3.0	7.57	-3.09	2.40	20	+4.1	11.07	-0.01	3.20
1	-1.8	0.28	-1.04	0.24	4	-2.1	1.67	-3.17	0.72	8	-3.9	3.45	-7.64	1.03	12	-3.4	11.23	-1.88	5.63
..
1	-0.5	0.10	-0.63	0.10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
0	-1.1	0	-0.51	0	2	-1.6	0.65	-1.72	0.40	5	-3.3	3.45	-4.70	2.00	16	+1.5	17.11	+4.64	4.09
0	-1.3	0	-0.88	0	2	-2.2	2.87	-0.11	2.13	2	-7.8	2.00	-7.19	1.82	19	+4.5	26.68	+11.88	4.33
0	-0.8	0	-0.34	0	2	0	1.19	-0.41	1.95	3	-4.6	0.51	-6.34	0.26	18	+4.1	12.05	-0.17	2.35
0	-0.6	0	-0.28	0	0	-2.2	0	-1.44	0	4	-8.9	2.22	-4.56	1.32	19	+4.7	14.48	+1.78	4.35
0	-0.6	0	-0.24	0	0	-1.5	0	-0.83	0	1	-6.5	0.59	-5.48	0.40	21	+7.4	18.66	+8.07	1.95
..
..
..
1	-1.2	0.29	-0.53	0.24	2	+1.4	0.43	+0.24	0.25	1	+0.9	0.24	+0.21	0.24	0	-0.4	0.06	-0.03	0.06
..
..
..
..
23	+4.8	17.20	+5.38	3.25	27	+2.9	20.55	+2.92	5.65	26	-0.4	26.30	-3.30	2.30	31	+1.8	36.80	-0.20	4.05
18	-2.9	4.46	-2.70	0.79	15	-0.2	4.93	-0.98	0.95	15	-6.8	6.11	-3.56	0.76	26	+1.4	14.79	+4.36	1.18
..
..
1	..	0.18	..	0.18	6	..	3.29	..	1.00	3	..	3.47	..	3.00	19	..	21.47	..	5.96
4	-2.4	1.50	-1.89	0.56	12	+6.6	5.23	+2.93	0.91	1	-1.6	0.48	-0.55	0.82	6	+1.8	2.71	+1.32	1.07

Clo sed.

STATION. 1	AUGUST.					SEPTEMBER.					OCTOBER.				
	Number of rainy days. 37	Departure from normal. 38	Rainfall of month. 39	Departure from normal. 40	Heaviest rainfall during month. 41	Number of rainy days. 42	Departure from normal. 43	Rainfall of month. 44	Departure from normal. 45	Heaviest rainfall during month. 46	Number of rainy days. 47	Departure from normal. 48	Rainfall of month. 49	Departure from normal. 50	Heaviest rainfall during month. 51
BENGAL—															
Comilla	13	-4.0	9.65	-6.08	3.93	15	+1.5	12.50	+1.57	4.45	11	+4.9	10.45	+3.93	2.35
Faridpur	18	+0.6	8.76	-3.68	1.40	14	+1.8	15.40	+6.11	4.50	10	+4.6	5.67	+0.93	1.90
Sirajganj	12	-3.4	3.36	-8.14	0.77	14	+2.4	13.52	+3.81	3.83	7	+2.1	1.90	-3.04	0.59
Rampur Boalia	19	+4.4	11.56	+1.24	2.56	11	-1.2	12.57	+2.53	2.90	6	+1.6	1.74	-1.99	0.40
Malda	11	-3.8	4.00	-7.52	0.78	9	-2.2	11.74	+0.95	2.83	5	+0.9	4.19	-0.15	1.35
Rangpur	13	-1.1	11.57	-2.06	3.09	17	+3.9	21.67	+7.93	5.32	5	+0.2	4.22	-1.14	1.21
Cooch Behar	16	-3.2	13.15	-12.00	1.65	22	+6.2	30.99	+4.59	5.89	4	-1.5	3.06	-4.62	1.90
Krishnagar	21	+6.1	12.99	+2.82	1.70	14	+2.9	8.22	+0.19	2.50	8	+3.1	6.35	+1.97	1.95
Bankura	17	+1.2	8.12	-3.35	1.20	10	-1.5	6.36	-2.38	2.70	6	+1.8	2.32	-0.59	0.33
BIHAR AND ORISSA—															
Hazaribagh* . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bhagalpur . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Muzaffarpur	9	-4.7	3.96	-9.46	1.00	8	-0.9	7.60	+0.06	2.50	1	-1.5	1.71	-0.86	1.71
Motihari	8	-5.6	3.07	-10.39	0.72	7	-2.1	8.35	-0.93	2.89	2	-0.5	2.38	-0.02	2.14
Chapra	14	+0.5	7.74	-4.12	1.92	9	+0.2	9.60	+2.17	3.80	2	-0.5	3.23	+1.05	1.46
Arrah	18	+3.9	12.69	+1.04	2.62	11	+1.6	9.16	+1.19	2.41	2	-1.1	2.62	+0.08	2.11
Dehri	14	-0.5	9.00	-4.20	2.80	8	-0.8	10.60	+3.72	5.67	3	+0.1	1.71	-0.44	1.30
UNITED PROVINCES—															
Meerut* . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
KASHMIR—															
Sonamarg* . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
BALUCHISTAN—															
Harnai* . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pishin	0	-0.4	0	-0.20	0	0	-0.1	0	-0.02	0	0	-0.4	0	-0.17	0
RAJPUTANA—															
Udaipur* . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
HYDRABAD (DECCAN)—															
Farbhani* . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
MADRAS—															
Palamcottah* . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
HILL STATIONS EXCLUSIVE OF KASHMIR—															
Gnatong	30	+2.5	19.90	-3.72	2.75	27	+3.4	21.95	+5.42	3.25	6	-4.5	2.30	-2.33	0.76
Lachung	20	-5.1	5.71	-4.05	0.58	24	+5.1	10.00	+2.69	1.45	3	-5.8	1.67	-1.97	1.68
Dharampore* . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dalhousie* . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bakloh	21	..	13.63	..	5.50	13	..	13.91	..	5.79	4	..	3.35	..	1.97
Kyelang	5	+1.1	1.94	+0.48	0.70	6	+3.3	2.26	+0.40	0.90	3	+1.3	-1.10	+0.39	0.55

* The monthly data are published in M. W. R.

TABLE D-5 FOR 1931—concl'd.

(local time) observations.

NOVEMBER.					DECEMBER.					YEAR.				
Number of rainy days.	Departure from normal.	Rainfall of month.	Departure from normal.	Heaviest rainfall during month.	Number of rainy days.	Departure from normal.	Rainfall of month.	Departure from normal.	Heaviest rainfall during month.	Number of rainy days.	Departure from normal.	Rainfall year.	Departure from normal.	Heaviest rainfall during year.
52	53	54	55	56	57	58	59	60	61	62	63	64	65	66
2	+0.6	2.43	+1.40	2.22	0	-0.3	0	-0.23	0	103	+2.8	98.87	+8.56	5.80
4	+2.7	4.15	+3.05	2.85	0	-0.3	0	-0.12	0	109	+15.7	85.80	+14.08	5.30
2	+1.3	1.18	+0.56	0.84	0	-0.3	0	-0.11	0	87	+4.2	59.10	-5.29	3.83
2	+1.3	1.08	+0.59	0.94	1	+0.9	0.25	+0.19	0.17	86	+11.4	59.74	+3.64	3.33
2	+1.3	1.53	+1.18	0.90	0	-0.1	0	-0.05	0	60	-8.9	49.35	-6.75	3.16
0	-0.3	0	-0.21	0	1	+0.3	0.35	+0.31	0.35	88	+4.8	104.06	+22.03	5.32
0	-0.4	0	-0.23	0	0	-0.3	0.10	0	0.09	122	+17.1	155.77	+8.76	6.07
4	+2.8	4.51	+3.53	2.25	0	-0.2	0	-0.09	0	92	+13.8	61.08	+2.68	3.29
2	+0.9	1.40	+0.76	1.04	0	-0.2	0.02	-0.06	0.02	71	-3.3	40.32	-16.68	5.62
..	..	..	..	..	..	..	..	..	..	85	+9.8	52.89	-0.39	3.30
Closed														
1	+0.6	0.45	+0.22	0.45	0	-0.1	0	-0.06	0	44	-12.9	36.00	-12.85	4.00
1	+0.8	0.70	+0.50	0.70	0	-0.4	0	-0.14	0	42	-16.8	46.64	-8.22	4.33
1	+0.6	1.43	+1.17	1.40	0	-0.3	0	-0.12	0	52	-1.7	37.60	-6.82	3.80
2	+1.5	2.16	+1.89	1.75	0	-0.4	0.05	-0.10	0.05	59	+2.7	44.91	-0.71	4.35
1	+0.4	0.24	-0.22	0.15	0	-0.4	0	-0.22	0	54	-0.8	38.09	-3.48	5.67
..	..	..	..	..	..	..	..	..	..	42	+3.5	38.43	+6.47	5.63
..	..	..	..	..	..	..	..	..	..	135	+20.5	66.56	-4.83	3.03
..	..	..	..	..	..	..	..	..	..	19	-6.7	9.40	-4.77	1.16
0	-0.8	0	-0.25	0	1	-1.9	0.40	-0.38	0.30	29	+5.5	13.78	+5.04	1.85
..	..	..	..	..	..	..	..	..	..	36	+3.3	30.16	+6.88	4.67
..	..	..	..	..	..	..	..	..	..	62	+12.8	45.08	+7.95	4.13
..	..	..	..	..	..	..	..	..	..	17	-24.3	26.35	-1.99	7.90
2	-0.6	0.45	-3.62	0.30	3	-2.2	0.35	-0.57	0.15	187	-2.0	150.10	-19.96	5.65
1	-1.8	0.96	-0.12	0.92	3	+1.4	0.83	+0.28	0.51	138	-19.2	56.62	-8.57	1.45
..	..	..	..	..	..	..	..	..	..	66	..	49.71	..	2.55
..	..	..	..	..	..	..	..	..	..	98	..	76.61	..	4.22
0	..	0	..	0	0	..	0	..	0	90	..	100.86	..	5.79
0	-0.9	0.10	-0.25	0.06	0	-2.6	0.14	-0.88	0.09	57	+7.8	23.03	-0.08	1.07

APPENDIX.

Climatic Tables of Kodaikanal and Madras for 1931 and tables of extra observations taken during the year at Bombay and Trivandrum.

TABLE I.

Height of Barometer cistern above sea level 7,688 feet.

Mean Monthly and Annual Meteorological Results at the Kodaikanal Observatory in 1931.

Latitude—10° 13' 50" N

Longitude—5° 9' 52" E

	BAROMETER.		DRY BULB THERMOMETER.				WET BULB	TENSION OF VAPOUR.	RELATIVE HUMIDITY	Min. on Grass.	WIND.			RAIN.		Clear Sky.	Bright Sunshine.
	Reduced to 32°.	Daily Range.	Mean.	Max.	Min.	Range.	Mean.	By Simpson's Tables.	Daily Velocity		Mean Direction.		Amount.	Days.			
	Inches.	Inches.	°	°	°	°	°	Inches.	Cents.		Miles.	Points.	Points.	Inches.	No.			Cents.
January	22.864	0.070	55.7	63.5	48.3	15.2	47.4	0.342	83	42.1	218	6	E. N. E.	1.92	6	5.1	206.2
February	879	.071	60.0	69.7	49.9	19.8	45.7	.359	87	37.9	228	5	N.E./E.	..	..	8.4	292.6
March	889	.070	60.5	69.3	50.3	19.0	50.3	.380	82	41.6	191	6	E. N. E.	..	..	7.4	237.4
April	864	.065	61.1	69.0	52.9	16.1	54.7	.362	77	44.7	163	8	E.	6.16	12	5.2	210.0
May	833	.067	62.9	70.0	55.7	14.3	57.2	.393	84	49.9	161	25	W/N.	6.51	10	4.4	220.6
June	790	.058	60.4	66.8	55.1	11.7	55.4	.377	80	48.8	183	24	W.	3.51	9	3.0	150.4
July	789	.057	57.6	63.5	53.2	10.3	53.9	.386	73	48.3	158	23	W. S.	6.49	13	1.8	116.0
August	773	.067	57.3	62.7	53.7	9.0	54.4	.408	71	50.3	237	23	W/S.	5.63	12	1.5	91.4
September	770	.066	57.3	63.9	52.7	11.2	53.2	.361	67	45.6	111	30	N N W.	6.66	11	3.7	191.9
October	834	.075	56.8	63.6	52.5	11.1	53.7	.258	48	45.0	68*	28	N W ₂	5.85	9	3.4	153.3
November	843	.074	54.9	61.8	50.1	11.7	52.1	.159	31	47.2	84*	14	S. S. E.	12.14	16	2.2	106.5
December	827	.074	53.8	59.5	49.4	10.1	50.9	.241	54	45.6	101*	5	N. E./E.	15.69	18	2.4	115.0
Annual	22.829	0.068	58.2	65.3	52.0	13.3	52.4	0.335	70	45.6	159	30	N. N. W.	70.76	116	4.0	2141.3

Extreme Monthly Meteorological Records at the Kodaikanal Observatory in 1931.

	BAROMETER.					DRY BULB THERMOMETER.				HUMIDITY.		GRASS THERM.		WIND.				RAIN.	
	Highest.		Lowest.		Range.	Highest.		Lowest.		Lowest.		Lowest.		Highest.		Lowest.		Greatest Fall.	
	Inches.	Day.	Inches.	Day.	Inches.	°	Day.	°	Day.	Cents.	Day.	°	Day.	Miles.	Day.	Miles.	Day.	Inches.	Day.
January	22.945	1	22.782	9	0.163	70.6	26,30	44.8	25	4	28	34.1	25	419	15	90	31	0.86	18
February	963	13	816	3	.152	74.7	3	45.6	1	1	9	30.6	1	325	24	144	2,22	..	..
March	963	19	812	30	.156	72.0	22	45.1	2	10	30	35.1	3	310	19	97	6	..	..
April	946	2	806	13	.140	72.2	21	49.7	2	26	25	38.6	11	301	30	91	8	1.89	19
May	907	14,19, 20	763	29	.143	73.6*	21	52.1	10	25	5	39.6	17	369	1	66	17	2.84	27
June	890	10	709	28	.181	73.0	8	51.8	23	41	8	45.0	4	359	28	71	11	1.09	5
July	877	18	715	25	.162	66.8	9	50.9	2	56	7	41.0	7	337	2	60	22	1.81	22
August	853	11	637	8	.166	65.9	2	51.3	31	44	1	46.6	31	377	19	60	3	2.05	25
September	863	10	715	26	.148	66.2	30	51.4	1	30	30	40.3	28	334	1	37	28	1.78	9
October	908	16	743	6	.165	66.3	1	50.3	28	48	5	35.7	1	155	15	29	1	1.52	22
November	903	7,13	789	21,23	.114	66.8	5	45.3	3	33	27	37.0	16	224	30	26	5	2.65	9
December	913	27,23	719	10	.194	65.6	4	45.0	30	13	31	29.0	30	244	22	24	14	5.02	11

* German P. T. Anemograph results not satisfactory.

TABLE II.
Kodaikanal mean hourly wind velocity for the year 1931.

Month.	Hours (local time).																							
	Midt.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
January	10	11	10	9	10	10	10	10	10	11	10	11	10	9	8	7	6	5	7	7	8	9	10	10
February	10	10	10	11	10	10	12	10	11	13	12	12	11	10	8	7	5	5	7	8	7	9	10	10
March	7	7	8	8	9	9	9	10	11	12	11	10	9	8	7	7	6	5	5	6	6	6	7	8
April	7	7	6	6	7	7	6	6	6	7	8	8	8	8	7	8	6	6	6	6	6	6	7	7
May	7	7	7	8	7	7	7	7	6	6	7	7	8	8	7	7	7	5	5	6	7	6	6	6
June	8	8	9	9	9	9	9	8	6	6	7	7	6	7	6	7	7	7	7	9	8	8	8	8
July	8	9	8	7	7	8	8	7	6	6	6	6	6	6	6	5	5	6	6	6	6	6	7	7
August	11	1	10	10	11	11	11	11	10	8	9	9	9	8	8	9	9	10	10	10	10	10	11	11
September	6	5	6	5	5	6	5	5	5	5	5	4	5	4	4	4	4	3	3	4	4	5	5	4
October	3	3	3	3	3	3	3	2	3	2	3	3	3	3	3	3	3	2	3	3	3	3	3	3
November	4	4	3	3	3	3	3	3	4	4	4	4	4	4	3	4	4	3	3	3	3	3	4	4
December	4	5	5	4	3	3	3	2	3	4	5	5	5	5	5	4	4	4	4	4	4	5	5	5
Mean	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	6	6	5	6	6	6	6	7	7

G. T. Anemograph results not good.

TABLE III.
Kodaikanal mean hourly bright sunshine for the year 1931.

Month.	Hours (local time).											
	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18
January	0.06	0.57	0.62	0.69	0.72	0.69	0.70	0.69	0.62	0.58	0.48	0.22
February	.36	.98	1.00	.99	.99	1.00	1.00	.97	.94	.86	.84	.53
March	.66	1.00	1.00	1.00	1.00	.97	.87	.74	.54	.58	.61	.30
April	.34	.81	.89	.91	.87	.85	.70	.57	.45	.34	.21	.06
May	.27	.82	.90	.90	.89	.84	.72	.57	.42	.37	.30	.13
June	.12	.54	.69	.71	.70	.56	.46	.39	.30	.22	.22	.09
July	.11	.43	.61	.53	.53	.45	.37	.27	.24	.11	.09	.02
August	.06	.20	.40	.48	.46	.41	.25	.21	.19	.11	.13	.04
September	.33	.72	.79	.72	.75	.72	.67	.57	.46	.30	.28	.07
October	.26	.59	.71	.74	.64	.51	.32	.33	.32	.24	.17	.09
November	.02	.37	.46	.53	.47	.45	.43	.34	.21	.17	.07	.01
December	.16	.44	.45	.49	.48	.44	.34	.28	.31	.25	.06	.02
Mean	0.23	0.62	0.71	0.72	0.71	0.66	0.57	0.49	0.42	0.34	0.29	0.13

TABLE IV.
Number of days in each month on which the Nilgiris were visible in 1931.

Month.	Very clear.	Visible.	Just visible.	Tops only visible.	TOTAL.
January	8	5	..	4	17
February	1	21	1	1	24
March	..	10	2	..	12
April	..	6	..	..	6
May	..	3	..	..	3
June	..	13	..	..	13
July	1	15	..	..	16
August	..	5	..	..	5
September	1	19	3	..	23
October	..	14	1	..	15
November	..	11	..	..	11
December	..	7	2	..	9
TOTAL	11	129	9	5	154

TABLE V.

Madras Observatory :—Monthly and Annual abnormal of the meteorological elements for 1931.

Abnormals of	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Atmospheric pressure . . .	-0.007	-0.005	+0.020	+0.003	-0.007	-0.020	+0.010	-0.061	-0.028	-0.022	+0.006	-0.039	-0.012
Temperature of air . . .	+1.3	+1.1	+1.1	+0.8	+0.9	+2.1	+0.1	+1.8	+0.3	+1.9	+0.6	+1.0	+1.1
Temperature of evaporation . . .	+0.7	+0.8	+0.4	+1.2	+1.7	+1.6	+0.9	+0.9	+0.7	+0.8	+1.2	+1.9	+0.2
Percentage of humidity . . .	-2	-1	-3	+2	+3	Normal	+4	-3	+2	-3	+3	+5	+1
Maximum in shade . . .	-0.3	-0.2	+0.6	Normal	+0.4	+2.0	-1.2	+1.1	-1.2	+1.7	-0.8	-1.6	Normal
Minimum in shade . . .	+1.5	-0.9	+0.6	+1.5	+0.7	+2.1	+0.1	+1.3	+0.6	+1.3	+1.0	+2.6	+1.2
Minimum on grass . . .	+1.6	+1.0	Normal	+2.1	+0.8	+1.7	-0.5	+0.3	+0.2	+0.2	+0.4	+2.3	+0.9
Rainfall in inches . . .	-0.84	-0.28	-0.39	+0.89	-0.35	+1.37	+1.63	-0.65	+3.84	+1.09	-1.69	+4.89	+9.51
Rainfall since January 1st . . .	—	-1.12	-1.51	-0.62	-0.97	+0.40	+2.03	+1.38	+5.22	+6.31	+4.62	+9.51	—
General direction of wind . . .	2 points N	Normal	Normal	Normal	Normal	Normal	1 point S	Normal	1 point S	15 points W	3 points E	1 point N	1 point S
Daily velocity in miles . . .	+10	-18	-14	-15	-31	-24	-42	-5	-31	-2	-26	+23	-14
Percentage of cloudy sky . . .	+5	+3	-8	+5	+3	-10	+7	+6	+2	-2	+9	+19	+3
Percentage of bright sunshine . . .	+5.0	+3.4	+9.6	+5.1	+5.3	+19.0	-2.1	+12.4	+6.4	+5.7	+0.7	-11.5	+5.5

+ means above normal. - means below normal.

TABLE VI.

Madras Observatory :—Number of hours of wind from each point in 1931.

Month.	N	1	2	3	4	5	6	7	E	9	10	11	12	13	14	15	8	17	18	19	20	21	22	23	W	25	26	27	28	29	30	31	Calm	Total.			
January	9	132	234	91	57	74	88	17	6	20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	744
February	5	5	14	13	48	21	54	120	60	126	150	18	2	1	29	672	
March	16	3	55	156	186	171	87	10	8	12	13	14	6	..	1	6	744
April	4	7	12	16	13	18	91	119	264	43	32	25	40	12	7	2	5	2	8	720
May	..	..	3	1	1	..	..	2	8	8	22	36	122	154	63	69	48	66	36	14	11	19	10	13	13	7	..	3	3	10	2	..	..	..	744
June	..	2	..	8	..	..	1	5	13	9	14	10	38	80	67	59	23	33	38	23	36	28	63	56	37	25	33	6	5	1	2	..	..	5	720
July	1	..	..	..	1	..	2	..	10	..	4	17	7	56	70	49	35	43	42	52	31	68	86	61	38	36	13	13	4	..	..	3	2	..	744
August	..	2	3	3	3	2	1	1	5	3	8	19	3	12	42	51	42	21	84	37	52	76	136	38	3	10	5	8	3	7	6	1	7	..	744		
September	..	..	..	6	6	1	2	10	28	20	29	42	47	43	39	33	11	9	37	29	27	52	68	52	22	38	17	15	20	3	3	..	..	11	720
October	9	41	29	6	7	16	5	25	7	6	49	28	21	27	51	9	8	11	38	19	20	17	45	21	16	34	25	7	9	44	28	47	19	..	744		
November	56	121	100	82	21	56	25	19	4	29	13	21	32	28	4	2	2	2	12	3	5	..	2	2	1	6	2	1	..	..	12	45	12	..	720
December	95	151	231	51	49	27	19	4	1	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	46	65	..	..	744
Annual	175	454	614	261	193	201	204	231	161	239	467	468	562	752	389	312	206	238	313	240	184	266	412	243	130	156	95	53	45	65	104	178	99	..	8760		

TABLE VII.

Madras Observatory :—Number of miles of wind from each point in 1931.

Month.	N	1	2	3	4	5	6	7	E	9	10	11	12	13	14	15	S	17	18	19	20	21	22	23	W	25	26	27	28	29	30	31	TOTAL		
January . .	84	642	1,608	822	411	400	439	187	38	76	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	28	82	4,768	
February . .	32	25	77	88	192	105	219	468	321	551	622	149	10	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10	36	2,912	
March . . .	..	..	..	..	..	..	..	42	18	208	848	1,088	1,025	659	59	59	70	92	69	34	..	6	..	..	..	..	..	..	..	..	..	..	..	..	4,277
April . . .	..	..	..	..	..	23	58	80	69	93	74	790	2,338	800	148	237	410	129	60	27	14	32	15	..	..	..	..	..	..	..	..	..	..	..	6,096
May . . . .	..	..	25	6	4	..	..	20	58	71	186	326	1,132	1,478	512	493	326	460	292	116	84	106	66	98	70	44	..	22	19	52	30	..	..	5,869	
June . . . .	..	8	..	31	..	..	9	32	73	65	103	100	387	790	577	407	160	192	261	178	248	208	548	521	365	254	265	46	20	8	18	..	..	4,622	
July	5	..	..	..	6	..	10	..	36	..	29	120	83	462	514	285	234	211	210	276	232	447	559	441	266	233	64	66	16	..	..	17	..	5,233	
August . . .	..	10	13	11	5	5	7	3	18	11	50	84	30	113	355	338	299	134	629	563	393	583	1,130	270	14	61	23	25	7	30	12	7	..	..	3,768
September .	..	..	..	37	35	8	17	64	110	131	189	191	259	305	192	129	51	34	217	157	128	232	379	307	102	169	117	34	71	19	20	..	..	3,761	
October . . .	45	255	130	43	40	46	39	111	50	42	180	147	108	157	216	57	40	69	214	94	79	79	207	137	79	179	123	30	53	241	248	224	..	..	4,261
November . .	832	854	975	426	96	311	107	83	32	95	50	96	108	74	28	10	12	6	28	6	8	..	10	10	6	8	5	5	..	..	67	315	..	..	6,399
December . .	672	1,123	2,334	466	405	227	135	16	5	..	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	..	441	561	..	..	..
Annual . . .	1,170	2,917	5,157	1,930	1,194	1,125	1,034	1,056	837	1,343	2,340	3,091	5,480	4,846	2,801	2,015	1,602	1,327	1,978	1,451	1,186	1,693	2,914	1,784	902	948	597	278	191	350	869	1,242	57,448		

TABLE VIII.

Madras Observatory :—Number of inches of rain with winds from each point in 1931.

Month.	N	1	2	3	4	5	6	7	E	9	10	11	12	13	14	15	S	17	18	19	20	21	22	23	W	25	26	27	28	29	30	31	Calm	TOTAL			
Jan. . . . .	..	0.03	0.01	0.01	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.05
Feb. . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mar. . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
April	0.27	0.03	0.62	0.15	0.19	0.18	0.02	0.02	0.02	0.01	1.51
May	0.56	0.01	..	0.09	0.08	..	0.13	0.90	1.77
June	0.01	0.10	0.05	0.03	..	0.05	1.13	..	0.48	0.09	1.29	0.02	0.06	..	0.17	3.48
July	0.02	0.08	0.22	..	0.17	0.60	1.90	0.66	..	0.26	0.31	0.79	0.09	0.27	0.02	0.11	5.50
Aug. . . . .	..	0.01	..	0.02	..	..	..	..	..	..	0.06	0.14	0.08	0.12	0.14	0.22	0.47	0.25	1.33	0.37	0.51	0.11	..	..	0.01	0.03	..	..	0.02	0.02	..	..	..	..	..	3.61
Sept. . . . .	..	..	..	0.51	0.56	..	0.11	0.23	..	..	0.03	0.03	..	1.13	..	0.39	..	0.11	0.38	1.60	0.03	0.71	0.65	..	0.04	0.04	..	2.62	..	..	0.05	..	..	..	..	8.58
Oct.	0.35	0.39	..	0.07	0.17	0.01	..	..	..	..	0.33	..	2.20	..	..	0.44	0.33	..	2.35	..	0.02	0.19	0.05	..	0.01	0.28	1.10	0.46	0.66	1.27	0.55	0.76	0.05	..	..	12.09
Nov.	0.61	0.02	0.16	1.48	0.11	1.22	0.25	0.15	0.02	0.82	0.26	1.10	0.27	0.66	..	..	0.23	0.01	0.22	..	0.06	..	0.46	0.69	0.31	0.23	..	0.02	..	..	1.10	0.99	0.07	..	..	11.52
Dec.	2.68	0.96	1.87	1.41	1.20	0.39	0.15	0.21	0.10	..	0.38	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.01	..	0.61	0.20	..	..	..	10.17
Annual . . .	3.64	1.41	2.04	3.50	2.04	1.62	0.78	0.62	0.75	0.97	1.81	1.45	2.59	2.11	0.41	1.00	1.25	1.11	7.31	2.63	1.10	1.38	2.17	1.50	0.51	0.91	1.32	3.34	0.67	1.29	3.23	1.95	0.12	..	..	58.68

TABLE IX.

Madras Observatory :—Wind, cloud and bright sunshine in 1931.

Month.	WIND RESULTANT.		CLOUD (0—10).					BRIGHT SUNSHINE.		REMARKS.
	Velocity.	Direction.	8 h.	10 h.	16 h.	20 h.	Mean.	Average per day.	Greatest number of hours per day.	
	Miles.	Points.						Hours.	Hours.	
January . . .	142.3	N.E. by N.	4.5	5.1	4.4	2.8	4.2	8.1	10.4	
February . . .	89.1	E.	2.7	3.7	2.6	1.5	2.7	9.9	10.6	
March . . .	128.3	S. E.	1.9	2.9	1.2	0.2	1.6	10.1	11.2	
April . . .	163.6	S. S. E.	5.0	4.2	2.6	1.4	3.3	9.4	11.7	
May . . .	154.6	S. S. E.	5.4	4.3	4.3	2.4	4.1	8.2	11.1	
June . . .	107.6	S.S.W.	5.4	5.2	6.5	4.6	5.4	7.4	10.9	
July . . .	102.0	S.S.W.	8.0	7.6	8.4	7.1	7.8	4.8	10.6	
August . . .	129.4	S.W. by S.	6.9	6.7	8.1	7.4	7.3	6.3	10.5	
September . . .	48.5	S.S.W.	6.3	6.5	7.5	5.3	6.4	8.1	11.1	
October . . .	10.0	W. N. W.	6.6	6.8	5.5	3.8	5.7	6.4	11.0	
November . . .	105.5	N.E. by N	7.1	7.5	7.6	4.7	6.8	5.3	10.7	
December . . .	193.8	N.N.E.	7.9	7.6	7.4	5.8	7.1	4.7	9.2	
Annual . . .	36.9	S. E.	5.6	5.7	5.5	3.9	5.2	7.2	..	

TABLE X.

Mean Monthly and Annual Meteorological Results at the Madras Observatory in 1931.

Month.	BAROMETER.		DRY BULB THERMOMETER.				WET BULB.	TENSION OF VAPOUR.	RELATIVE HUMIDITY.	Min. on Grass.	WIND.		RAIN.		Cloudy Sky.	Bright Sunshine	
	Reduced to 32°.	Daily Range.	Mean.	Max.	Min.	Range.	Mean.	By Simpson's Tables.			Daily Velocity.	Mean Direction.	Amount.	Days.			
	Inches.	Inches.	°	°	°	°	°	Inches.	Cents.		°	Miles.	Points.	Points.			Inches.	No.	Cents.	Hours.
January	29.990	0.105	76.4	84.3	69.0	15.3	69.9	0.645	71	64.7	154	3	N. E. by N.	0.05	2	42	250.7
February . . . . .	.960	.127	77.8	86.4	68.9	17.5	71.6	.690	72	64.8	104	8	East	..	..	27	277.4
March . . . . .	.924	.128	81.1	89.8	72.7	17.1	74.3	.756	71	68.6	138	12	S. E.	..	..	18	311.7
April . . . . .	.826	.126	84.8	92.9	78.7	14.2	78.8	.900	78	78.8	176	13	S. E. by S.	1.51	4	33	280.8
May . . . . .	.724	.121	87.6	98.2	81.5	16.7	80.0	.916	70	79.7	196	15	S. by E.	1.77	4	41	254.0
June . . . . .	.679	.111	88.5	100.3	82.4	17.9	78.2	.824	62	80.3	196	19	S. W. by S.	3.48	10	54	222.8
July . . . . .	.727	.116	84.6	94.4	78.6	15.8	76.8	.816	69	76.1	156	19	S. W. by S.	5.50	13	78	148.6
August . . . . .	.689	.125	85.1	94.8	78.6	16.2	76.9	.699	47	75.7	169	19	S. W. by S.	3.91	21	73	194.0
September . . . . .	.747	.124	83.3	92.0	77.7	14.3	77.0	.841	74	75.2	125	17	S. by W.	8.53	13	64	183.6
October . . . . .	.819	.131	82.5	90.7	76.5	14.2	76.4	.827	75	73.0	122	22	W. S. W.	12.09	14	57	198.2
November . . . . .	.929	.108	78.1	84.2	73.3	10.9	74.1	.790	82	69.9	139	5	N.E. by E.	11.52	19	68	159.1
December . . . . .	.939	.108	76.5	82.0	72.4	9.6	72.5	.747	82	68.7	206	1	N. by E.	10.17	14	71	144.2
Annual	29.829	0.119	82.2	90.8	75.9	14.9	74.7	0.797	73	72.3	157	13	S. E. by S.	58.53	114	52	2,626.1

Extreme Monthly Meteorological Records at the Madras Observatory in 1931.

Month.	BAROMETER.			DRY BULB THERMOMETER.			HUMIDITY.		GRASS THERM.		WIND.		RAIN.						
	Highest.		Lowest.	Range.	Highest.		Lowest.	Lowest.		Highest.		Lowest.		Greatest Fall.					
	Inches.	Day.	Inches.	Day.	Inches.	°	Day.	°	Day.	Cents.	Day.	°	Day.	Miles.	Day.	Miles.	Day.	Inches.	Day.
January	<i>30.123</i>	27	29.893	9	0.230	85.7	26	63.7	25	51	26	58.0	25	258	5	95	27	0.03	5
February . . . . .	.110	1	.862	19	.248	90.3	26	65.3	9	53	4, 5	59.2	4	184	1	75	28	..	..
March . . . . .	.653	21	.785	30	.268	93.2	24	69.5	1	52	23	66.0	2, 3	177	7	79	1	..	..
April	<i>29.972</i>	11	.684	21	.288	98.3	6	74.2	14	43	6	73.1	11, 14	228	22	69	12	1.17	14
May . . . . .	.837	29	.554	9	.283	105.9	20	70.6	14	38	10, 16	70.6	14	264	23	149	13	1.67	14
June . . . . .	.785	1	.506	7	.279	107.9	9	75.2	2	28	6	72.7	2	265	7, 10	116	30	2.37	27
July	<i>.683</i>	19	.573	2	.310	101.1	10	74.8	24	41	4	72.2	24	214	6	108	11	2.16	21
August . . . . .	.816	11	.551	8	.265	99.1	21	75.2	10	87	21, 22	73.1	10	230	27	104	1	0.65	12
September . . . . .	.885	11	.593	26	.292	99.1	2	74.7	14	43	1, 2	72.3	13	193	1	62	19	3.43	16
October . . . . .	.933	28	.662	6	.271	95.4	8	72.4	27	46	14	67.2	27	251	30	64	11	5.49	31
November	<i>30.033</i>	28	.822	4	.211	87.4	5	69.2	17	56	17	63.7	17	267	29	51	12	2.06	4
December . . . . .	.087	30	.822	4	.265	84.8	17, 18	63.5	29	56	28	56.8	29	329	23	83	30	2.41	23

The extreme value in each column is shown in italics.

TABLE XI.

Monthly and Annual means of Meteorological Observations made at the Madras Observatory at 20 hrs. in 1931.

Month.	Barometer reduced to 32°F.	Dry Bulb.	Wet Bulb.	Vapour Tension.	Humidity.	Cloud.	Wind Direction.
January	30.006	75.4	69.7	0.650	74	2.8	N.E. by N.
February	29.959	77.0	71.9	.712	77	1.5	E. by N.
March . . . .	.925	80.2	74.7	.785	76	0.2	S.E. by E.
April . . . .	.824	83.7	79.6	.952	83	1.4	S.E.
May . . . .	.724	85.6	81.5	1.018	83	2.4	S.E. by S.
June . . . .	.682	85.6	80.4	0.965	79	4.6	S.E. by S.
July . . . .	.722	83.2	78.1	.889	78	7.1	S. by W.
August . . . .	.692	83.0	77.7	.877	78	7.4	S.W. by S.
September . . . .	.755	82.0	78.1	.910	84	5.3	S. by E.
October . . . .	.829	81.5	77.4	.884	83	3.8	E. by S.
November . . . .	.950	77.1	73.9	.795	85	4.7	N.E.
December . . . .	.958	75.9	72.7	.762	85	5.8	N. by E.
Annual	29.835	80.9	76.3	0.850	80	3.9	E.S.E.

TABLE XII.

Mean hourly wind velocity recorded by the Dine's Pressure Tube Anemometer at the Madras Harbour for the year 1931.

Month.	M.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL	
January]	7	7	7	6	6	6	5	6	6	8	8	9	9	9	9	9	10	10	9	9	9	9	9	9	7	189
February	5	5	4	3	3	3	3	3	4	5	5	6	6	7	7	7	7	7	6	6	5	5	5	5	5	122
March	7	6	5	3	3	3	3	3	3	4	5	6	7	8	8	8	7	7	7	8	8	8	8	8	7	142
April	7	6	5	4	4	4	5	6	7	8	9	10	11	11	11	10	10	10	10	10	9	9	9	9	8	192
May	10	9	8	7	6	6	6	7	9	9	9	9	10	11	10	11	10	10	10	10	10	11	11	11	11	221
June	7	7	7	6	6	6	7	8	9	10	10	9	9	9	10	10	9	10	9	10	10	10	11	11	9	210
July	9	8	7	7	6	6	6	6	8	8	9	9	9	8	8	9	9	9	9	10	9	9	10	10	10	198
August	7	8	7	7	6	6	5	7	9	10	11	11	11	11	10	10	9	8	8	8	9	9	8	7	7	202
September	7	7	7	6	6	6	6	7	8	7	7	7	7	7	7	6	7	6	6	6	6	7	7	7	7	161
October	7	6	6	5	5	5	6	5	6	6	6	7	8	8	8	8	8	7	7	7	7	7	7	6	8	159
November	9	8	8	8	7	7	7	7	8	9	9	9	10	10	10	15	10	10	11	10	10	10	9	9	9	215
December	18	13	13	14	13	13	13	13	14	14	14	14	14	15	15	15	15	14	14	15	15	14	14	14	14	335
Annual	8	8	7	6	6	6	6	6	8	8	9	9	9	10	9	9	9	9	9	9	9	9	9	9	9	196

TABLE XIII.

Monthly mean values of meteorological elements derived from hourly tabulations of autographic records at the Bombay Observatory in the year 1931.

Month.	Barometric pressure* reduced to 32°F.	Air temperature.	Relative Humidity.	Vapour pressure (in inches of mercury).
	In.	°F	%	In.
January	29.942	76.2	66	.597
February . . . . .	.924	75.8	65	.574
March . . . . .	.909	78.2	70	.678
April . . . . .	.815	84.1	73	.848
May . . . . .	.782	85.9	71	.877
June . . . . .	.696	85.5	76	.931
July . . . . .	.660	81.1	87	.924
August . . . . .	.643	80.8	86	.904
September . . . . .	.772	81.1	81	.856
October . . . . .	.817	80.0	83	.849
November . . . . .	.900	80.1	73	.752
December . . . . .	.932	76.4	69	.680
YEAR . . . . .	.817	80.4	75	.785

* Reduced to Calcutta H standard.

TABLE XIV.

Monthly means of Meteorological elements at Trivandrum for 1931.

Month.	NEWMAN'S BAROMETER REDUCED TO 32° F. 20 hrs.	DAY BULB THERMOMETER. 20 hrs.	WET BULB THERMOMETER. 20 hrs.	VAPOUR PRESSURE. 20 hrs.	HUMIDITY. 20 hrs.	CLOUD. 20 hrs.	Hrs. of bright sunshine.	Maximum in sun.	Maximum in shade.	Minimum in shade.	Average velocity.	FREQUENCY OF WIND DIRECTIONS AT 20 HRS.																	
												C.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW.	W.	WNW.	NW.	NNW.	N.	Total.
January . . .	29.738	80.7	75.2	.749	76	3.0	7.9	133.8	84.5	75.2	113.8	14	0	0	0	1	0	0	0	0	10	0	3	1	2	0	0	0	31
February . . .	.724	82.5	75.7	.761	72	3.0	10.5	143.1	86.8	74.9	159.1	7	0	0	0	0	0	0	0	0	2	1	13	0	5	0	0	28
March . . .	.731	84.6	77.7	.872	74	3.0	10.2	143.7	89.5	78.5	158.8	13	0	1	0	1	0	1	0	0	6	1	3	0	4	0	1	31
April . . .	.780	83.1	78.8	.925	82	6.2	7.8	141.2	87.1	79.5	164.5	13	0	2	0	1	0	0	0	0	0	0	7	2	5	0	0	30
May . . .	.653	83.8	78.9	.923	80	5.3	7.4	135.6	87.6	80.5	226.8	3	0	0	0	1	0	0	0	0	2	1	10	2	10	0	2	31
June . . .	.669	79.7	76.8	.881	87	7.9	4.1	129.5	83.0	76.7	208.9	4	0	0	0	0	0	0	0	0	0	0	11	3	7	0	5	30
July . . .	.691	78.7	75.8	.850	87	7.2	5.6	136.9	82.1	75.1	212.2	2	0	0	0	0	0	0	0	0	0	0	9	5	10	2	2	31
August . . .	.692	77.2	75.1	.833	89	9.0	3.5	129.3	80.6	74.5	222.6	3	0	0	0	0	0	0	0	0	0	1	11	4	8	3	1	31
September . . .	.690	78.2	75.2	.848	87	5.1	6.5	..	82.1	75.1	235.6	1	0	1	0	0	0	0	0	0	0	0	5	3	14	4	2	30
October . . .	.706	79.8	76.1	.851	84	4.6	8.3	..	85.1	75.9	194.2	9	0	0	0	1	0	1	0	0	0	0	5	4	10	1	0	31
November . . .	.724	79.4	75.8	.842	81	6.4	5.9	..	84.8	74.4	108.6	19	0	5	0	0	1	1	0	0	1	0	1	0	1	0	1	30
December711	79.5	76.4	.853	85	6.3	6.2	..	83.9	74.6	107.3	18	0	2	0	0	0	1	0	2	0	3	0	2	0	2	0	1	31

ADDENDUM TO ANNUAL SUMMARY FOR 1929, PART E.

At the end of the Seismic data for Agra, on page E 21, *add* the following note :—

NOTE.—Owing to uncertainty in the time given by the standard of reference at our disposal during the year, the absolute values of the time of occurrence of the various phases cannot be regarded as quite accurate, the time intervals between the different phases of any shock being however correct to within a few seconds. But it is estimated that the correction to the recorded time is of the order of ± 1 to $\pm 1\frac{1}{2}$ minutes.

ADDENDA TO ANNUAL SUMMARY FOR 1930, PART E.

On page E 3, date July 3rd, against *AN*, phase *M*, *add* the following remark :—

“ The data for *M* are uncertain and should be deleted.”

At the end of the seismic data for Agra, on page E 6, *add* the following note :—

NOTE.—Owing to uncertainty in the time given by the standard of reference at our disposal during the year, the absolute values of the time of occurrence of the various phases cannot be regarded as quite accurate the time intervals between the different phases of any shock being however correct to within a few seconds. But it is estimated that the correction to the recorded time is of the order of ± 1 to ± 2 minutes except during 14th May to 4th June and 8th to 10th November and on 25th December 1930 when the corrections are of the order of $+ 2$ to $+ 4$ minutes and during 8th October to 4th November 1930 when they are of the order of -2 to $-2\frac{1}{2}$ minutes.

GOVERNMENT OF INDIA
METEOROLOGICAL DEPARTMENT

INDIA WEATHER REVIEW

ANNUAL SUMMARY FOR 1931

PART E.
SEISMIC RECORDS.

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C. W. B. NORMAND, M.A., D.Sc.

Director General of Observatories

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 Narain & Co., Meston Road, Cawnpore.
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 Manager, Newal Kishore Press, Lucknow.
 The Upper India Publishing House, Ltd., Literature Palace, Ammuddaula Park, Lucknow.
 Rai Sahib M. Gulab Singh & Sons, Mufid-i-Am Press, Lahore and Allahabad.
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 Bheema Sons, Fort, Bangalore City.
 Superintendent, Bangalore Press, Lake View, Mysore Road, Bangalore City.

AGENT IN PALESTINE :—Steimatzky, Jerusalem.

* Agents for publications on aviation only.

ANNUAL SUMMARY, 1931.

E 1

PART E. SEISMIC RECORDS.

STATION—AGRA.

$\phi=27^{\circ} 8' 15''$ N; $\lambda=78^{\circ} 0' 45''$ E; $h=163$ metres. *Subsoil*—Indo-Gangetic Alluvium.

Apparatus.—1st January 1931 to 20th July 1931—Two Omori-Ewing Horizontal Pendulum Seismographs giving AN & AE.
21st July 1931 to 31st December 1931—Only one Omori-Ewing Horizontal Pendulum Seismograph giving AN.

(Masses 50 kg.)

TABLE E I.

					V	To	G	$\frac{r}{T_0^3}$					
AN					26.9	21	1		From 1st January, 1931 to 2nd May, 1931.				
					28.0	28.9	1		From 3rd May, 1931 to 18th June, 1931.				
					28.0	29.4	1		From 19th June, 1931 to 31st December, 1931.				
AE					30.0	30.0	1						

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. (μ)	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. (μ)	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. (μ)	REMARKS.
		H. M. S.		AN. AE.				H. M. S.		AN. AE.				H. M. S.		AN. AE.	
1931.						1931.						1931.					
Jan. 1st	AE. eP	23 57 48	..	.. ..	Slight shock.	Jan. 12th	AE. P	20 43 37	..	.. ..	Slight shock.	Jan. 15th	AN. P	23 1 1	..	.. ..	Slight shock.
" 2nd	M	0 17 46	..	.. ..			s	20 52 17	..	.. ..		" 15th	F	23 58 23	..	.. ..
	F	0 33 58	..	.. ..			Fe	21 21 53	..	.. ..		" 16th	AN. e	19 40 21	..	.. ..	Distant slight shock.
" 1st	AN. e	23 59 9	..	.. ..	Do.	" 12th	AN. S	20 52 20	..	.. ..	Do.	" 16th	F	21 40 23	..	.. ..
" 2nd	eS	0 2 47	..	.. ..			Fe	21 34 11	..	.. ..		" 18th	AE. eP	13 15 12	..	.. ..
	M	0 17 3	15	22 ..		" 15th	AE. P	2 8 57	..	.. ..	Shock of very great intensity.	" 18th	Fe	13 42 47	..	.. ..
	F	1 34 48	..	.. ..			M	?	?	> 1267	Motion of recording pen restricted due to side-stops for about 2 minutes.	" 18th	AN. P	13 16 40	..	.. ..
" 2nd	AE. eP	10 10 44	..	.. ..	Do.	" 15th	F	4 18 18	..	.. ..		" 19th	F	18 45 31	..	.. ..
	F	11 18 47	..	.. ..								" 19th	AN. e	12 40 47	..	.. ..	Slight shock.
" 2nd	AN. P	10 10 37	..	.. ..	Do.	" 15th	AE. e	21 7 30	..	.. ..	Slight shock.	" 20th	F	13 19 6	..	.. ..
	F	12 5 13	..	.. ..			F	21 47 27	..	.. ..		" 20th	AE. P	9 28 45	..	.. ..	Do.
" 4th	AE. eP	4 50 50	..	.. ..	Do.	" 15th	AN. S	21 7 30	..	.. ..		" 20th	S	9 30 39	..	.. ..
	F	5 4 54	..	.. ..			F	21 47 27	..	.. ..		" 20th	Le	9 31 35	..	.. ..
" 4th	AN. eP	4 50 37	..	.. ..	Do.	" 15th	AN. L	21 22 56	..	.. ..	Do.	" 20th	F	Not determinable.			
	eS	4 53 25	..	.. ..			F	21 40 28	..	.. ..		" 20th	AN. IP	9 28 46	..	.. ..	Do.
	F	5 4 43	..	.. ..		" 15th	AE. e	22 51 45	..	.. ..	Do.	" 20th	S	9 30 44	..	.. ..
" 7th	AE. P	2 5 4	..	.. ..	Do.	" 15th	F	23 82 51	..	.. ..		" 20th	L	9 31 24	..	.. ..
	S	2 7 37	..	.. ..			AE. e	22 51 45	..	.. ..	Do.	" 20th	eF	9 54 51	..	.. ..
	F	2 20 57	..	.. ..		" 15th	Fe	23 82 51	..	.. ..		" 20th	AE. e	15 31 39	..	.. ..	Do

TABLE E1—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)	REMARKS.	
				AN. AE.						AN. AE.						AN. AE.		
1931.		H. M. S.				1931.		H. M. S.				1931.		H. M. S.				
Feb. 19th	AE. P	17 45 34	..	..	Slight shock.	Mar. 9th	AE. P	3 57 49	..	..	Shock of very great intensity.	Mar. 18th	AE. P	20 23 23	..	..	..	Moderate shock.
	S	17 51 48	..	..			S	4 5 32	..	..			S	20 30 32	..	..	..
	L	17 58 39	..	..			L	4 17 2	33	..	200		eL	20 40 24	..	..	..
	F	19 12 57	..	..			M	4 22 23	>18	..	>1457	Motion of recording pen restric- ted due to side-stops.	Fe	22 26 46	..	..	..
" 19th	AN. P	17 45 28	..	..	Do.							" 18th	AN. Pe	20 23 19	..	..	..	Do.
	Si	17 51 41	..	..			F	Lost in changing drum.				Si	20 30 32	..	..	..
	L	17 58 28	..	..		" 9th	AN. P	3 57 54	..	..	Shock of very great intensity.	" 19th	AE. Pi	6 33 17	..	..	..	Moderate shock. Epicentre apparently near Lat. 13°N Long. 118°E.
" 20th	AE. P	5 39 7	..	..	Moderate shock.		Si	4 5 32	..	..			Se	6 39 17	..	..	..
	Si	5 45 40	..	..			L	4 16 16	..	..			L	6 45 27	..	..	..
	L	5 53 21	..	..			M	4 22 25	>19	>1710	Motion of recording pen restric- ted due to side- stops.	Fe	8 37 49	..	..	..
" 20th	AN. P	5 39 9	..	..	Do.		F	Lost in changing drum.			" 19th	AN. cP	6 33 17	..	..	..	Do.	
	Si	5 45 41	15	165		" 11th	AE. e	6 16 9	..	..			S	6 39 19	..	..	..
	Le	5 53 21	..	..		" 11th	AN. e	6 16 24	..	..		" 19th	M	6 51 10	18	87	..	
	F	6 37 22	..	..		" 11th	AE. P	12 35 45	..	..	Moderate shock.	" 28th	AE. Pi	12 48 4	..	..	..	Moderate shock.
" 27th	AE. Pe	9 45 54	..	..	Do.	" 11th	Fe	14 12 15	..	..			Si	12 52 54	..	..	..
	S	9 53 18	..	..		" 11th	AN. e	12 35 56	..	..	Do.	" 28th	L	12 56 52	..	..	..
	eL	10 3 26	..	..		" 11th	Se	12 43 47	..	..		" 28th	AN. P	12 48 5	..	..	..	Do.
" 27th	Fe	10 27 21	..	..		" 11th	eL	12 55 24	..	..		" 28th	S	12 52 54	..	..	..
	AN. e	9 46 0	..	..	Do.	" 15th	Fe	14 17 41	..	..		" 28th	L	12 56 51	..	..	..
	S	9 53 17	..	..		" 15th	AN. e	15 17 9	..	..		Apr. 6th	AE. e	7 1 53	..	..	..	Slight shock.
	Le	10 3 40	..	..		" 15th	Fe	15 36 44	..	..		" 6th	S	7 11 58	..	..	..
Mar. 5th	AE. e	18 0 42	..	..	Slight shock.	" 15th	AN. e	15 18 27	..	..	Do.	" 6th	AN. c	7 1 55	..	..	..	Do.
	eF	19 2 17	..	..		" 18th	AE. e	8 23 5	..	..	Distant moderate shock.	" 27th	S	7 12 0	..	..	..
" 5th	AN. e	18 0 37	..	..	Do.	" 18th	S	8 36 51	..	..		" 27th	Le	7 30 42	..	..	..
	Fe	19 8 53	..	..		" 18th	Le	9 17 21	..	..		" 27th	F	8 38 11	..	..	..
" 8th	AE. P	1 53 28	..	..	Moderate shock.	" 18th	eF	10 45 15	..	..		" 27th	AN. P	16 55 55	..	..	..	Moderate shock.
	S	2 5 3	..	..		" 18th	AN. e	8 23 8	..	..	Do.	" 27th	Se	17 1 11	..	..	..
	Le	2 13 10	..	..		" 18th	eS	8 37 4	..	..		" 27th	Le	17 5 5	..	..	..
	F	Not determinable.				" 18th	eL	9 16 16	..	..		" 27th	M	17 11 35	20	..	67	
" 8th	AN. Pi	1 53 22	..	..	Do.	" 18th	M	9 37 5	18	52	..	" 27th	F	17 46 41	..	..	..
	Si	2 5 7	..	..		" 18th	Fe	11 7 18	..	..		" 27th	AN	Instrument taken off for overhauling.				
	Le	2 14 24	..	..												
	M	2 17 41	20	115														
	F	3 22 24	..	..												

TABLE E 1—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. (μ)		REMARKS.	
				AN.	AE.						AN.	AE.						AN.	AE.		
1931.		H. M. S.					1931.	H. M. S.						1931.	H. M. S.						
May 7th	AE. e	0 54 46	..	..	..	Tremors.	June 18th	AN. P	12 57 50	..	..	..	Moderate shock.	Aug. 15th	AN. Pi	4 2 46	..	..	..	..	Slight shock.
	F	1 3 7	..	..	..			S	12 59 2	..	..	..			S	4 4 37	..	..	..	..
" 7th	AN. e	0 54 48	..	..	..	Do.		L	12 59 43	..	..	..			F	4 51 29	..	..	..	..
	F	1 4 26	..	..	..			M	18 0 38	13	107	..			AN. iP	14 24 40	..	..	..	..	Shock of great intensity. Epicentre near Lat. 50°N Long. 80°E.
" 12th	AE. eP	1 55 10	..	..	..		" 18th	AE. e	13 45 27	..	..	..						
	F	2 20 47	..	..	..			F	13 54 28	..	..	..						
" 12th	AN. eP	1 54 47	..	..	..	Do.	" 18th	AN. e	13 46 49	..	..	..			iS	14 28 48	..	..	..	..
	F	2 23 38	..	..	..			eP	13 51 50	..	..	..			L	14 31 28	..	..	..	..
" 12th	AN. P	10 38 4	..	..	..	Do.	July 15th	AE. F	17 24 24	..	..	..	Slight shock.		M	14 34 32	22	942	..	..	..
	eP	10 52 33	..	..	..		" 15th	AN. eP	16 50 10	..	..	..	Do.		F	16 12 51	..	..	..	..
" 20th	AE. eP	2 33 36	..	..	..	Moderate shock.		L	16 55 16	..	..	..			AN. e	18 2 40	..	..	..	..	Tremors.
	Si	2 43 26	..	..	..		" 18th	M	16 57 29	24	..	..			F	18 21 47	..	..	..	..
	Li	3 2 37	..	..	..			F	17 26 58	..	..	..						
	M	3 13 0	17	..	60		" 18th	AN. e	11 57 24	..	..	..	Tremors.		AN. P	21 37 3	..	..	..	..	Shock of very great intensity. Epicentre apparently in North Himalayas.
	F	4 7 36	..	..	..			Fe	12 44 54	..	..	..						
" 20th	AN	Pen had jumped off the drum.					" 20th	AN. P	17 16 42	..	..	..	Slight shock.		Si	21 38 45	..	..	..	..
" 20th	AN. e	5 14 30	..	..	..	Slight shock.	Aug. 2nd	F	17 35 38	..	..	..			iL	21 39 44	..	..	..	..
	F	5 30 43	..	..	..		" 2nd	AN. eP	18 7 4	..	..	..	Do.		M	?	7	>1446	..	..	Motion of recording pen restricted due to side-stops for about 2 minutes.
" 27th	AE. F	1 0 20	..	..	..	Tremors.	" 2nd	AN. Pe	18 20 14	..	..	..	Do.								
" 27th	AN. e	0 50 31	..	..	..	Do.		Se	18 21 38	..	..	..			F	23 30 5	..	..	..	..
	F	1 0 44	..	..	..		" 8th	Le	18 22 51	..	..	..						
June 2nd	AE. e	12 2 54	..	..	..	Do.		F	18 41 25	..	..	..			AN. P	23 38 23	..	..	..	..	Slight shock.
	F	12 8 49	..	..	..		" 8th	S	4 16 5	..	..	..			S	23 34 47	..	..	..	..
" 2nd	AN. e	12 3 21	..	..	..	Do.	" 8th	Fe	4 40 26	..	..	..			L	23 35 23	..	..	..	..
	F	12 9 58	..	..	..		" 10th	AN. e	9 3 53	..	..	..	Tremors.		F	0 0 7	..	..	..	..
" 2nd	AE. e	17 40 29	..	..	..	Do.	" 10th	Fe	9 16 6	..	..	..			AN. P	0 34 30	..	..	..	..	Do.
	F	17 53 36	..	..	..			AN. e	10 22 44	..	..	..	Feeble shock. Felt in Pyinma, Burma.		S						
" 2nd	AN. e	17 39 7	..	..	..	Do.	" 10th	F	10 54 55	..	..	..			L						
	F	17 53 52	..	..	..			AN. iP	21 23 23	..	..	..	Shock of very great intensity.		Fe	1 7 16	..	..	..	..
13th	AE. P	12 57 45	..	..	..	Moderate shock.	" 25th	eS	21 27 46	..	..	..			AN. eP	3 8 16	..	..	..	..	Do.
	S	12 59 10	..	..	..			M	?	?	>1327	..	Motion of recording pen restricted due to side-stops at intervals for about 36 minutes.		S	3 9 41	..	..	..	..
	L	12 59 47	..	..	..									Fe	3 43 16	..	..	..	..
	M	13 0 45	15	..	139									AN. Pi	19 32 37	..	..	..	..
	F	13 23 10	..	..	..			F	Lost in changing drum.					F	19 48 43	..	..	..	..

TABLE E1—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. (μ)		REMARKS.		
				AN.	AE.						AN.	AE.						AN.	AE.			
1931.		H. M. S.					1931.	H. M. S.					1931.	H. M. S.								
Aug. 27th	AN. P	15 29 2	Severe shock. Origin apparently in Baluchistan.	Aug. 28th	AN. e	19 42 15	After-shock of slight intensity.	Sept. 21st	AN. P	Not determinable.				Moderate shock. Record disturbed due to mechanical work inside the Seismograph room.
	S	15 30 50			S	19 43 45		S(?)	10 38 38	
	L	15 31 50			L	19 44 40		L	10 44 0	
	M	?	?	>1321	..		Motion of recording pen restricted due to side-stops almost continuously from about 15 ^h 33 ^m to 15 ^h 39 ^m and again from 15 ^h 41 ^m to 15 ^h 46 ^m .		F	20 9 44	M	10 46 57	19	214	
	F	Mixed up with the following shock.			..				F	21 39 53		F	Not determinable.				
" 27th	AN. eP	18 2 13	After-shock of slight intensity.	" 28th	AN. P	21 27 44	Do.	" 25th	AN. e	4 31 42
	eS	18 4 5			S	21 29 34		S	4 46 54	
	F	18 40 13			L	21 30 40		F	4 46 54	
" 27th	AN. P	18 48 24	Do.	Sept. 6th	AN. e	5 45 45	Tremors.	" 25th	AN. P	6 6 41	Shock of very great intensity. Epicentre apparently in the neighbourhood of Sumatra Island.
	S	18 49 52	..	..	..		Fe	6 2 52	..	..	..								
	F	19 7 18	..	..	..		AN. eP	14 35 17	..	..	..	Slight shock.								
" 27th	AN. P	18 48 24	Do.	" 6th	S	14 36 46									Motion of recording pen restricted due to side-stops on one side at intervals for about 8 minutes.	
	S	18 49 52	..	..	..		eL	14 37 23	..	..	..									..
	F	19 7 18	..	..	..		Fe	14 57 7	..	..	..									..
" 27th	AN. e	20 5 37	Do.	" 8th	AN. eP	16 15 32	Slight shock. Epicentre probably in the neighbourhood of Baluchistan.								..	
	S	20 7 9	..	..	..		S	16 16 53	..	..	..									..
	L	20 8 9	..	..	..		L	16 17 35	..	..	..									..
	F	20 31 39	..	..	..		Fe	16 30 44	..	..	..									..
" 28th	AN. e	0 44 26	After-shock of moderate intensity. Phases e and s disturbed due to observer's presence in Seismograph room.	" 6th	AN. e	19 18 29	Tremors.	" 30th	AN. P	11 17 23	Slight shock. Epicentre apparently in Kumaon hills.	
	S	0 46 7	..	..	..			Fe	19 57 26	..	..	..								..
	L	0 46 43			AN. e	20 48 17	Moderate shock.	" 30th	AN. e	12 58 44	Feeble shock. Epicentre apparently in Kumaon hills.	
	M	0 49 11	..	36	..			Si	20 56 17	..	..	..								..
	F	1 11 27	..	..	..			eL	21 8 46	..	..	..								..
" 28th	AN. e	3 21 26	..	..	..	After-shock of slight intensity.	" 9th	F	22 1 5	..	..	..								..
	eS	3 22 43	..	..	..			AN. e	15 28 59	..	..	..								..
	F	3 35 38	..	..	..			Fe	15 43 32	..	..	..								..
" 28th	AN. P	10 15 12	Do.	" 20th	AN. e	15 28 59		Oct. 3rd	AN. eP	19 26 29	Shock of great intensity.	
	eS	10 16 40		" 21st	AN. e	2 29 59	Moderate shock. Reported to be felt in Japan.	" 4th	F	1 54 44	
	F	10 34 13		M	2 47 50	25	141	..			Do.	AN. e	11 26 22	Slight shock.	
							F	3 47 30	..	..	..				eS	11 29 23	..	..	..	..
															L	11 30 57	..	..	..	..
															F	11 44 41	..	..	..	..

TABLE E-1—concl'd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)	REMARKS.	
				AN. AE.						AN. AE.						AN. AE.		
1931.		H. M. S.				1931.		H. M. S.				1931.		H. M. S.				
Oct. 5th	AN. P	22 33 52	..	.. ..	Moderate shock. Epicentre apparently in Hindu-kush mountains.	Oct. 10th	AN. Pe	16 54 23	..	.. ..	Shock of great intensity in sea south of Japan. Record disturbed due to mechanical work inside the seismograph room.	Nov. 5th	AN. iP	12 24 3	..	.. ..	Moderate shock.
	S	22 35 52			Fe	17 47 15			eL	12 30 24		
	eL	22 36 27									M	12 33 55	20	182 ..		
	Fe	23 11 45									F	13 18 25		
	AN. e	6 10 20		Feeble shock.	Nov. 2nd	AN. P	10 10 53		AN. e	1 13 22	..		.. ..	Slight shock.
" 9th	F	6 38 50	..	.. ..			Sl	10 17 48	..	.. ..		Fe	1 23 57	..	.. ..	
" 10th	AN. eP	0 32 29	..	.. ..	Shock of great intensity.		L	10 26 36	..	.. ..						
	S	Lost in changing drum.					M	Not determinate.										
	eL	1 0 24	..	.. ..			F	Lost in changing drum.				AN. e	14 39 18	..	.. ..	Slight shock.	
	M	1 9 30	26	423 ..								F	15 51 35	..	.. ..	
	Fe	5 25 15	..	.. ..												

NOTE:—Owing to uncertainty in the time given by the standard of reference at our disposal during the year, the absolute values of the time of occurrence of the various phases cannot be regarded as quite accurate, the time intervals between the different phases of any shock being however correct to within a few seconds. But it is estimated that the correction to the recorded time is of the order of ± 1 to $\pm 1\frac{1}{2}$ minutes.

G. CHATTERJEE,
Meteorologist-in-charge,
Upper Air Observatory, Agra.

STATION—BOMBAY (COLABA).

$\phi=18^{\circ} 53' 36''$ N; $\lambda=72^{\circ} 48' 54''$ E; $h=6$ m. *Subsoil*—Trap rock.

Apparatus.—(1) Milne-Shaw seismograph (N-S). *Damping ratio* 20 : 1.

(2) Milne-Shaw seismograph (E-W). *Damping ratio* 22 : 1, (in the underground constant temperature room).

TABLE E 2.

					v	To	G	$\frac{1}{To^2}$									
AN.					250	12	2.6	..									
AE					350	12	2.6	..									
Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. (μ)	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. (μ)	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. (μ)	REMARKS.
				AN. AE.						AN. AE.						AN. AE.	
1931.		H. M. S.				1931.		H. M. S.				1931.		H. M. S.			
Jan. 2nd	AN P	0 0 57	..	..		Jan. 4th	AN Pe	23 38 57	..	..	Very feeble shock.	Jan. 12th	AE e	15 44 0	..	..	Tremors.
	S	0 7 42	..	..		" 5th	F	0 20 0	..	..		" "	f	15 44 0	..	..
	L	0 15 57	..	..		" 4th	AE Pe	23 33 57	..	..	Do.	" "	AN P	20 45 50	..	..
	M	0 19 57	18	12		" 5th	F	0 23 0	..	..		" "	S	20 55 35	..	..
	F	1 20 0	..	..		" "	AN P	13 17 41	..	..	Feeble shock.	" "	L	21 13 42	..	..
" "	AE P	0 0 57	..	..		" "	F	13 45 0	..	..		" "	M	21 18 12	18	9	
	S	0 7 42	..	..		" "	AE P	13 17 41	..	..	Do.	" "	F	22 20 0	..	..
	L	0 15 57	..	..		" "	F	13 45 0	..	..		" "	AE P	20 45 50	..	..
	M	0 24 42	18	..	6	" 7th	AN P	2 8 16	..	..		" "	S	20 55 35	..	..
	F	1 3 0	..	..		" "	S	2 11 55	..	..		" "	L	21 13 42	..	..
" "	AN P	10 8 36	..	..		" "	L	2 14 12	..	..		" "	M	21 22 30	20	..	6
	S	10 21 13	..	..		" "	M	2 15 58	7	3		" 14th	AN P	17 10 11	..	..	Very feeble shock.
	L	10 52 56	..	..		" "	F	2 53 0	..	..		" "	F	17 44 0	..	..
	M	11 18 18	20	11		" "	AE	Record lost due to failure of light.				" "	AE P	17 10 11	..	..
	F	13 24 0	..	..		" "	AN P	3 53 24	..	..	Very feeble shock.	" "	F	17 44 0	..	..	Do.
" "	AE P	10 8 36	..	..		" "	F	4 8 0	..	..		" 15th	AN P	2 10 13	..	..
	S	10 21 13	..	..		" "	AE P	3 53 24	..	..	Do.	" "	S	Lost during shifting time.			
	L	10 52 56	..	..		" "	F	4 8 0	..	..		" "	L	3 5 52	..	..
	M	11 11 4	24	..	8	" 9th	AN Pe	9 26 0	..	..	Do.	" "	M	3 19 42	23	333	..
	F	13 24 0	..	..		" "	F	9 42 0	..	..		" "	F	5 54 0	..	..
" 4th	AN P	4 49 5	..	..		" "	AE Pe	9 26 0	..	..	Do.	" "	AE P	Lost due to failure of light.			
	S	4 53 23	..	..		" "	f	9 42 0	..	..		" "	S	Lost during shifting time.			
	L	4 56 53	..	..		" 11th	AN P	22 23 52	..	..	Do.	" "	L	3 5 52	..	..
	M	4 58 11	9	3		" "	F	22 55 0	..	..		" "	M	3 17 35	25	..	183
	F	5 47 0	..	..		" "	AE P	22 23 52	..	..	Do.	" "	F	5 48 0	..	..
" "	AE P	4 49 5	..	..		" 12th	AN e	15 14 0	..	..	Tremors.	" "	AN P	21 10 39	..	..
	S	4 53 33	..	..		" "	F	22 55 0	..	..		" "	S	21 17 51	..	..
	L	4 56 53	..	..		" "	f	15 44 0	..	..		" "	L	21 27 59	..	..
	M	5 0 18	7	..	1	" "						" "	M	21 33 39	15	11	..
	F	5 47 0	..	..		" "						" "	F	22 38 0	..	..

TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE.	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE.	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE.	REMARKS.
				(μ)						(μ)						(μ)	
				AN. AE.						AN. AE.						AN. AE.	
1931.		H. M. S.				1931.		H. M. S.				1931.		H. M. S.			
Jan. 15th	AE	Record disturbed by insect.				Jan. 18th	AN P	18 19 16	..	..		Jan. 20th	AN P	15 32 32	..	..
" "	AN P	22 54 39	..	..			S	13 21 8	..	..			S	15 35 59	..	..
" "	S	23 8 58	..	..			L	13 21 44	..	..			L	15 37 22	..	..
" "	L	23 20 59	..	..			M	13 30 40	7	2			M	15 39 42	7	9	
" 16th	M	23 28 27	19	8			F	14 55 0	..	..			F	16 31 0	..	..
" 16th	F	0 49 0	..	..		" "	AE P	13 19 16	..	..		" "	AE P	15 32 32	..	..
" 15th	AE	Record disturbed by insect.				" "	S	13 21 8	..	..		" "	S	15 35 59	..	..
" 16th	AN e	1 44 0	..	..	Tremors.	" "	L	13 21 44	..	..		" "	L	15 37 22	..	..
" "	f	2 6 0	..	..		" "	M	13 30 33	9	2		" "	M	15 39 45	8	6	
" "	AE	Record disturbed by insect.				" 19th	AN P	12 34 15	..	..		" "	F	16 31 0	..	..
" 16th	AN P	19 39 30	..	..		" "	S	12 42 15	..	..		" 21st	L	0 6 6	..	..
" "	S	19 52 53	..	..		" "	L	12 55 18	..	..		" "	F	0 57 0	..	..
" "	L	20 28 11	..	..		" "	M	13 0 56	16	4		" 20th	AE P	23 52 11	..	..
" "	M	20 44 43	25	9		" "	F	13 49 0	..	..		" "	S	23 58 36	..	..
" "	F	21 43 0	..	..		" "	AE P	12 34 15	..	..		" 21st	L	0 6 6	..	..
" "	AE P	19 39 30	..	..		" "	S	12 42 15	..	..		" 24th	AN P	13 50 18	..	..
" "	S	19 52 53	..	..		" "	L	12 55 18	..	..		" "	S	13 58 3	..	..
" "	L	20 28 11	..	..		" "	M	13 0 28	17	4		" "	L	14 8 48	..	..
" "	M	20 47 1	25	9		" "	F	13 49 0	..	..		" "	M	14 17 51	17	5	
" "	F	21 43 0	..	..		" "	AN P	16 21 23	..	..		" "	F	15 41 0	..	..
" 17th	AN P	3 12 1	..	..		" "	S	16 29 32	..	..		" "	AE P	13 50 18	..	..
" "	S	3 25 22	..	..		" "	L	16 42 8	..	..		" "	S	13 58 3	..	..
" "	L	4 0 14	..	..		" "	M	16 51 1	18	4		" "	L	14 8 48	..	..
" "	M	4 15 32	20	11		" "	F	17 17 0	..	..		" "	M	14 17 28	15	6	
" "	F	5 13 0	..	..		" "	AE P	16 21 23	..	..		" "	F	15 41 0	..	..
" "	AE P	3 12 1	..	..		" "	S	16 29 32	..	..		" "	AN e	18 36 42	..	..
" "	S	3 25 22	..	..		" "	L	16 42 8	..	..		" "	M	19 11 12	18	4	
" "	L	4 0 14	..	..		" "	M	16 47 15	17	2		" "	f	20 1 0	..	..
" "	M	4 14 22	20	8		" "	F	17 17 0	..	..		" "	AE e	18 36 42	..	..
" "	F	5 13 0	..	..		" "	AN P	9 31 18	..	..		" "	M	19 7 55	18	4	
" 18th	AN P	4 38 15	..	..		" 20th	S	9 34 39	..	..		" 26th	AN P	4 18 16	..	..
" "	S	4 40 13	..	..		" "	L	9 36 33	..	..		" "	S	4 21 30	..	..
" "	L	4 41 0	..	..		" "	M	9 39 0	7	10		" "	L	4 23 3	..	..
" "	M	4 42 59	5	2		" "	F	10 28 0	..	..		" "	M	4 25 4	15	3	
" "	F	4 58 0	..	..		" "	AE P	9 31 18	..	..		" "	F	5 7 0	..	..
" "	AE P	4 38 15	..	..		" "	S	9 34 39	..	..		" "	AE P	4 18 16	..	..
" "	S	4 40 13	..	..		" "	L	9 36 33	..	..		" "	S	4 21 30	..	..
" "	L	4 41 0	..	..		" "	M	9 36 52	6	15		" "	L	4 23 3	..	..
" "	M	4 48 18	5	1		" "	F	10 28 0	..	..		" "	M	4 24 23	15	3	
" "	F	4 58 0	..	..		" "			..	..		" "	F	5 7 0	..	..

TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDINE.	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMP- TITUDE.	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDINE.	REMARKS.	
				(μ)						(μ)						AN. AE.		AN. AE.
1931.		H. M. S.				1931.		H. M. S.				1931.		H. M. S.				
Jan. 26th	AN P	22 31 28	..	..		Jan. 29th	AE P	17 42 9	..	..	Feeble shock.	Feb. 2nd	AN P	23 4 41	..	..
	S	22 34 38	..	..			F	18 3 0	..	..			S	23 15 37	..	..
	L	22 36 10	..	..									L	23 36 46	..	..
	M	22 36 53	11	2		" 30th	AN P	3 37 41	..	..		" 3rd	M	23 52 35	16	163		
	F	22 54 0	..	..			S	3 41 56	..	..			F	3 37 0	..	..
" "	AE P	22 31 28	..	..			L	3 44 46	..	..		" 2nd	AE P	23 4 41	..	..
	S	22 34 38	..	..			M	3 49 59	7	3			S	23 15 37	..	..
	L	22 36 10	..	..			F	4 6 0	..	..			L	23 36 46	..	..
	M	22 38 20	13	2		" "	AE P	3 37 41	..	..		" 3rd	M	23 49 26	20	146		
	F	22 54 0	..	..			S	3 41 56	..	..			F	3 37 0	..	..
" 27th	AN P	20 14 15	..	..			L	3 44 46	..	..		" 4th	AN e	6 41 0	..	..		Tremors;
	S	20 18 15	..	..			M	3 47 21	7	1			f	6 54 0	..	..
	L	20 20 38	..	..			F	4 6 0	..	..			AE e	6 41 0	..	..		Do.
	M	20 23 53	10	293									f	6 54 0	..	..
" 28th	F	0 10 0	..	..		" 31st	AN P	20 48 18	..	..		" 7th	AN e	1 15 15	..	..
" 27th	AE P	20 14 15	..	..			S	20 52 45	..	..			M	1 20 25	6	2		
	S	20 18 15	..	..			L	20 55 46	..	..			F	1 38 0	..	..
	L	20 20 38	..	..			M	20 57 8	7	2		" "	AE	Movements very faint due to weak illumination.				
	M	20 24 38	9	239			F	22 20 0	..	..		" "	AN P	15 7 21	..	..
" 28th	F	0 10 0	..	..		" "	AE P	20 48 18	..	..		" "	S	15 10 23	..	..
" "	AN e	20 42 0	..	..	Tremors.		S	20 52 45	..	..		" "	L	15 11 50	..	..
	F	21 7 0	..	..			L	20 55 46	..	..		" "	M	15 12 33	4	20		
" "	AE e	20 42 0	..	..	Do.		M	20 57 54	7	1		" "	F	15 35 0	..	..
	F	21 7 0	..	..			F	21 20 0	..	..		" "	AE P	15 7 21	..	..
" "	AN P	21 35 19	..	..		Feb. 1st	AN e	5 15 31	..	..	Feeble shock.	" "	S	15 10 28	..	..
	S	21 44 19	..	..			F	5 34 0	..	..		" "	L	15 11 50	..	..
	L	22 0 22	..	..			AE e	5 15 31	..	..	Do.	" "	M	15 12 47	4	6		
	M	22 0 42	25	40		" "	F	5 34 0	..	..		" 8th	AN Pe	2 3 20	..	..
" 28th	F	0 55 0	..	..		" 2nd	AN P	2 3 43	..	..	Do.	" "	M	2 49 58	20	6		
" 28th	AE P	21 35 19	..	..			F	2 24 0	..	..		" "	F	4 1 0	..	..
	S	21 44 19	..	..		" 2nd	AE P	2 3 43	..	..	Do.	" "	AN Pe	2 3 20	..	..
	L	22 0 22	..	..			F	2 24 0	..	..		" "	M	2 46 36	20	5		
" 29th	M	22 6 4	16	14		" "	AN P	3 45 57	..	..		" 10th	AN P	1 28 6	..	..
" 29th	F	0 55 0	..	..			S	3 48 23	..	..		" "	S	1 32 16	..	..
" "	AN e	17 18 29	..	..			L	3 49 19	..	..		" "	L	1 34 54	..	..
	M	17 22 14	7	3			M	3 49 37	8	3		" "	M	1 35 59	10	38		
	F	Mixed up with the next shock.					F	4 11 0	..	..		" "	F	2 24 0	..	..
" "	AE e	17 18 29	..	..			AE P	3 45 57	..	..		" "	AN P	1 28 6	..	..
	M	17 26 28	6	1			S	3 48 23	..	..		" "	S	1 32 16	..	..
	F	Mixed up with the next shock.					L	3 49 19	..	..		" "	L	1 34 54	..	..
" "	AN P	17 42 9	..	..	Feeble shock.		M	3 54 19	7	1		" "	M	1 38 51	14	12		
	F	18 3 0	..	..			F	4 11 0	..	..		" "	F	2 24 0	..	..

TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE.	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE.	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE.	REMARKS.	
				(μ)						(μ)						(μ)		
		H. M. S.		AN. AE.				H. M. S.		AN. AE.				H. M. S.			AN. AE.	
1931.						1931.						1931.						
Feb. 10th	AN P	6 41 51	..	.. ..		Feb. 13th	AN. P	0 49 14	..	.. ..	Feeble shock.	Feb. 14th	AE P	14 6 15	..	.. ..
	B	6 47 38	..	.. ..			S	0 59 24	..	.. ..			S	14 12 0	..	.. ..
	L	6 53 8	..	.. ..			Le	1 18 9	..	.. ..			L	14 16 50	..	.. ..
	M	6 57 50	21	176 ..			F	1 36 0	..	.. ..			M	14 19 21	18	.. 47		
	F	11 18 0	..	.. ..		" 13th	AE. P	0 49 14	..	.. ..	Feeble shock.		F	16 23 0	..	.. ..
" 16th	AE. P	6 41 51	..	.. ..			S	0 59 24	..	.. ..		" 16th	AN. P	18 59 6	..	.. ..
	S	6 47 38	..	.. ..			Le	1 18 9	..	.. ..			S	19 7 44	..	.. ..
	L	6 53 8	..	.. ..			F	1 36 0	..	.. ..			L	19 22 1	..	.. ..
	M	6 55 23	22	.. 171		" 13th	AN. P	1 45 20	..	.. ..			M	19 29 7	14	5 ..		
	F	11 18 0	..	.. ..			S	1 56 7	..	.. ..			F	20 6 0	..	.. ..
" 11th	AN. P	17 31 44	..	.. ..			L	2 17 44	..	.. ..		Feb. 16th	AE. P	18 59 6	..	.. ..
	M	18 8 36	19	5 ..			M	2 33 44	18	102 ..			S	19 7 44	..	.. ..
	F	18 37 0	..	.. ..			F	5 10 0	..	.. ..			L	19 22 1	..	.. ..
" 11th	AE. P	17 31 44	..	.. ..		" 13th	AE. P	1 45 20	..	.. ..			M	19 23 43	15	.. 4		
	M	18 5 32	21	.. 4			S	1 56 7	..	.. ..			F	20 6 0	..	.. ..
	F	18 37 0	..	.. ..			L	2 17 44	..	.. ..		" 18th	AN. P	19 30 42	..	.. ..		Very feeble shock.
" 11th	AN. P	19 52 44	..	.. ..			M	2 36 14	18	.. 84			F	20 4 0	..	.. ..
	S	19 56 59	..	.. ..		" 13th	AN. P	11 38 44	..	.. ..	Feeble shock.	" 18th	AE. P	19 30 42	..	.. ..		Very feeble shock.
	L	19 59 40	..	.. ..			F	12 0 0	..	.. ..			F	20 4 0	..	.. ..
	M	20 0 37	8	10 ..		" 13th	AE. P	11 38 44	..	.. ..	Feeble shock.	" 19th	AN. P	17 47 50	..	.. ..
	F	20 37 0	..	.. ..			F	12 0 0	..	.. ..			S	17 53 42	..	.. ..
" 11th	AE. P	19 52 44	..	.. ..		" 13th	AN. P	22 22 34	..	.. ..			L	18 0 15	..	.. ..
	S	19 56 59	..	.. ..			S	22 26 34	..	.. ..			M	18 3 56	19	42 ..		
	L	19 59 40	..	.. ..			L	22 29 14	..	.. ..			F	20 48 0	..	.. ..
	M	20 2 4	8	.. 3			M	22 39 21	12	3 ..		" 19th	AE. P	17 47 50	..	.. ..
	F	20 37 0	..	.. ..			F	23 6 0	..	.. ..			S	17 53 42	..	.. ..
" 11th	AN. e	23 45 0	..	.. ..	Tremors.	" 13th	AE. P	22 22 34	..	.. ..			L	18 0 15	..	.. ..
" 12th	F	0 2 0	..	.. ..			S	22 26 34	..	.. ..			M	18 5 2	18	.. 28		
" 11th	AE. e	23 45 0	..	.. ..	Tremors.		L	22 29 14	..	.. ..			F	20 48 0	..	.. ..
" 12th	F	0 2 0	..	.. ..			M	22 41 16	13	.. 3		" 20th	AN. P	5 42 43	..	.. ..
" 12th	AN. P	5 51 25	..	.. ..			F	23 6 0	..	.. ..			S	5 50 11	..	.. ..
	S	5 57 11	..	.. ..		" 13th	AN. e	23 29 0	..	.. ..	Tremors.		L	6 1 3	..	.. ..
	L	6 3 4	..	.. ..			f	23 41 0	..	.. ..			M	6 2 14	18	20 ..		
	M	6 7 16	16	12 ..		" 13th	AE. e	23 29 0	..	.. ..	Tremors.		F	7 20 0	..	.. ..
	F	8 8 0	..	.. ..			f	23 41 0	..	.. ..		" 20th	AF. P	5 42 43	..	.. ..
" 12th	AE. P	5 51 25	..	.. ..		" 14th	AN. P	14 6 15	..	.. ..			S	5 50 11	..	.. ..
	S	5 57 11	..	.. ..			S	14 12 0	..	.. ..			L	6 1 3	..	.. ..
	L	6 3 4	..	.. ..			L	14 16 50	..	.. ..			M	6 8 31	7	.. 5		
	M	6 8 12	16	.. 16			M	14 23 24	15	26 ..			F	7 20 0	..	.. ..
	F	8 8 0	..	.. ..			F	16 23 0	..	.. ..					..	.. ..

TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. (μ)		REMARKS.	
				AN.	AE.						AN.	AE.						AN.	AE.		
1931.		H. M. S.					1931.	H. M. S.						1931.	H. M. S.						
Feb. 22nd	AN. P	21 36 47	..	..	..	Feeble shock.	Mar. 2nd	AN. P	2 25 40	..	..	..		Mar. 7th	AN. Pe	10 18 28	..	..	..	..	Feeble shock
	S	21 44 18	..	..	..			S	2 36 47	..	..	..			f	11 51 0	..	..	..	..
	L	21 54 51	..	..	..			L	3 0 29	..	..	..			AE. P	10 18 28	..	..	..	..	Feeble shock.
	F	22 24 0	..	..	..			M	3 14 4	22	8	..			F	11 51 0	..	..	..	..
	AE. P	21 36 47	..	..	..	Feeble shock.		F	4 13 0	..	..	..			AN. e	21 58 0	..	..	..	..	Tremors.
" 22nd	S	21 44 13	..	..	..		" 2nd	AE. P	2 25 40	..	..	..			f	22 8 0	..	..	..	..
	L	21 54 51	..	..	..			S	2 36 47	..	..	..			AE. e	21 58 0	..	..	..	..	Tremors.
	F	22 24 0	..	..	..			L	3 0 29	..	..	..			f	22 8 0	..	..	..	..
" 24th	AN. Pe	17 35 43	..	..	..			M	3 16 55	18	..	4			AE. f	22 8 0	..	..	..	..
	M	17 57 23	25	6	..		" 2nd	F	4 13 0	..	..	..			AN. P	1 59 5	..	..	..	..
	F	18 32 0	..	..	..			AN. Pe	20 21 7	..	..	..			S	2 6 5	..	..	..	..
" 24th	AE. Pe	17 35 43	..	..	..			M	20 36 25	10	3	..			L	2 15 42	..	..	..	..
	M	17 58 58	23	..	3			F	20 53 0	..	..	..			M	2 10 57	16	12	..	..
	F	18 32 0	..	..	..			AE. Pe	20 21 7	..	..	..			F	3 40 0	..	..	..	..
" 27th	AN. P	9 47 13	..	..	..			M	20 36 49	7	..	1			AE. P	1 59 5	..	..	..	..
	S	9 54 40	..	..	..		" 5th	F	20 53 0	..	..	..			S	2 6 5	..	..	..	..
	L	10 5 31	..	..	..			AN. P	18 0 52	..	..	..			L	2 15 42	..	..	..	..
	M	10 9 40	23	16	..			S	18 5 38	..	..	..			M	2 20 46	20	..	18	..	
	F	10 54 0	..	..	..			L	18 9 16	..	..	..			F	3 40 0	..	..	..	..
" 27th	AE. Pe	9 47 13	..	..	..		" 5th	M	18 17 54	15	6	..			AN. Pe	12 44 11	..	..	..	..
	S	9 54 40	..	..	..			AE. P	20 33 0	..	..	..			M	12 56 56	16	4	..	..
	L	10 5 31	..	..	..			S	18 0 58	..	..	..			F	13 15 0	..	..	..	..
	M	10 8 10	25	..	22			L	18 9 16	..	..	..			AE. Pe	12 44 11	..	..	..	..
	F	10 54 0	..	..	..			M	18 21 30	12	..	4			M	12 59 25	20	..	4	..	
" 28th	AN. e	2 21 0	..	..	..	Tremors.	" 7th	F	20 33 0	..	..	..			F	13 15 0	..	..	..	..
	f	2 37 0	..	..	..			AN. P	0 25 24	..	..	..			AN. P	3 59 25	..	..	..	..
" 28th	AE. e	2 21 0	..	..	..	Tremors.		S	0 32 27	..	..	..			S	4 7 50	..	..	..	..
	f	2 37 0	..	..	..			L	0 41 59	..	..	..			L	4 21 16	..	..	..	..
" 28th	AN. P	22 30 27	..	..	..		" 7th	M	0 46 24	22	6	..			M	4 28 40	16	181	..	..
	S	22 34 29	..	..	..			AE. P	Mixed up with the next shock.						F	8 10 0	..	..	..	..
	L	22 37 5	..	..	..			S	0 25 24	..	..	..			AE. P	3 59 25	..	..	..	..
	M	22 39 1	7	2	..			L	0 32 27	..	..	..			S	4 7 50	..	..	..	..
	F	22 59 0	..	..	..			M	0 41 59	..	..	..			L	4 21 16	..	..	..	..
" 28th	AE. P	22 30 27	..	..	..		" 7th	F	0 47 14	16	..	3			M	4 20 20	16	..	222	..	
	S	22 34 29	..	..	..			AN. Pe	Mixed up with the next shock.						F	8 10 0	..	..	..	..
	L	22 37 5	..	..	..			f	1 5 14	..	..	..	Feeble shock.		AN. P	6 8 44	..	..	..	..
	M	22 40 34	7	..	1		" 7th	AE. Pe	3 5 0	..	..	..	Feeble shock.		S	6 17 25	..	..	..	..
	F	22 59 0	..	..	..			f	1 5 14	..	..	..			L	6 32 21	..	..	..	..
									3 5 0	..	..	..			F	7 4 0	..	..	..	..

TABLE E B - CONTD.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. (μ)		REMARKS.		
				AN.	AE.						AN.	AE.						AN.	AE.			
1931.		H. M. S.					1931.		H. M. S.					1931.		H. M. S.						
Mar. 29th	AN. e	17 49 0	-	-	..	Tremors.	Apl. 3rd	AN. P	Lost in shifting time.		Feeble shock.		Apl. 7th	AN P	7 52 11	..	..	..	..	..	Feeble shock.	
	f	18 1 0	-	-	..			F	8 6 0	..	..	..		Se	8 2 27	..	..	..	..	..
" 29th	AE. e	17 49 0	..	..	..	Tremors.	" 3rd	AE. P	2 16 6	..	..	..	Feeble shock.	F	9 2 0	8	2	..	..	..	..
	f	18 1 0	-	-	..			F	3 6 0	..	..	..		AE P	7 52 11	..	..	..	..	..	Do.	
" 29th	AN. P	18 2 14	..	..	..		" 3rd	AN. e	3 22 0	..	..	..	Tremors.	Se	8 2 27	..	..	..	..	..	..
	S	18 10 30	..	..	..			f	4 13 0	..	..	..		L	8 21 23	..	..	..	..	..
	L	18 22 13	-	-	..		" 3rd	AE. e	3 22 0	..	..	..	Do.	F	9 2 0	..	..	..	..	..
	F	18 55 0	..	..	..			f	4 13 0	..	..	..		AN P	19 14 11	..	..	..	..	..
" 29th	AE. P	18 2 14	..	..	..		" 3rd	AN. P	21 50 40	..	..	..	Feeble shock.	S	19 23 2	..	..	..	..	..	..
	S	18 10 13	..	..	..			F	23 1 0	..	..	..		L	19 37 58	..	..	..	..	..
	L	18 22 13	-	-	..		" 3rd	AE P	21 50 40	..	..	..	Do.	F	20 21 0	..	..	..	..	..	..
	F	18 55 0	..	..	..			F	23 1 0	..	..	..		AE P	19 14 11	..	..	..	..	..
" 30th	AN. e	7 51 0	..	..	..	Tremors.	" 3rd	AN P	23 36 10	..	..	..	Do.	S	19 23 2	..	..	..	..	..	..
	f	8 8 0	..	..	..			S	23 46 14	..	..	..		L	19 37 58	..	..	..	..	..
" 30th	AE. e	7 51 0	..	..	..	Tremors.	" 4th	L	0 5 3	..	..	..		F	20 21 0	..	..	..	..	..	..
	f	8 8 0	..	..	..			F	1 2 0	..	..	..		AN P	23 11 57	..	..	..	..	..	..
" 30th	AE. P	18 48 12	..	..	..		" 3rd	AE P	23 36 10	..	..	..	Do.	S	23 20 48	..	..	..	..	..	..
	S	18 52 54	..	..	..			S	23 46 14	..	..	..		L	23 35 54	..	..	..	..	..	..
	L	18 56 10	..	..	..		" 4th	L	0 5 3	..	..	..		M	23 41 8	15	4	..	..	..	..
	M	14 6 10	15	2	..			F	1 2 0	..	..	..		F	0 15 0	..	..	..	..	..	..
	F	14 28 0	..	..	..		" 6th	AN P	7 2 19	..	..	..		AN P	23 11 57	..	..	..	..	..	..
" 30th	AE. P	18 48 12	..	..	..			S	7 12 39	..	..	..		S	23 20 48	..	..	..	..	..	..
	S	18 52 54	..	..	..			L	7 32 39	..	..	..		L	23 35 54	..	..	..	..	..	..
	L	18 56 10	..	..	..			M	7 38 10	24	11	..		M	23 43 7	17	..	5	..	..	..
	M	14 6 19	15	2	..			F	9 2 0	..	..	..		F	0 15 0	..	..	..	..	..	..
	F	14 28 0	..	..	..		" 6th	AE P	7 2 19	..	..	..		AN P	23 11 57	..	..	..	..	..	..
" 31st	AN. e	17 17 0	..	..	..	Tremors.	" 6th	S	7 12 39	..	..	..		F	Lost in shifting time.		..	..	..	..	..	Feeble shock.
	f	17 51 0	..	..	..			L	7 32 39	..	..	..		F	2 39 0	..	..	..	..	..	..
	AE. e	17 17 0	..	..	..	Do.		M	7 35 30	24	..	12		AE P	Lost in shifting time.		..	..	..	..	..	Do.
	f	17 51 0	..	..	..			F	9 29 0	..	..	..		F	2 39 0	..	..	..	..	..	..
April 2nd	AN. P	0 33 3	..	..	..		" 7th	AN P	0 20 45	..	..	..		AN P	Lost in shifting time.		..	..	..	..	..
	S	0 37 20	..	..	..			S	0 25 8	..	..	..		M	3 6 44	19	9	..	..	..	..
	L	0 40 18	..	..	..			L	0 28 8	..	..	..		F	3 54 0	..	..	..	..	..	..
	M	0 41 8	7	4	..			M	0 28 19	5	4	..		AE P	Lost in shifting time.		..	..	..	..	..
	F	1 6 0	..	..	..			F	0 58 0	..	..	..		M	2 59 3	16	..	2	..	..	..
	AE. P	0 33 3	..	..	..		" 7th	AE P	0 20 45	..	..	..		F	3 54 0	..	..	..	..	..	..
	S	0 37 20	..	..	..			S	0 25 8	..	..	..		AN P	17 6 56	..	..	..	..	..	..	Feeble shock.
	L	0 40 18	..	..	..			L	0 28 8	..	..	..		F	18 7 0	..	..	..	..	..	..
	M	0 41 22	5	..	1			M	0 29 6	7	..	1										
	F	1 6 0	..	..	..			F	0 58 0	..	..	..							

TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)		REMARKS.
				AN.	AE.						AN.	AE.						AN.	AE.	
1981.		H. M. S.					1981.		H. M. S.					1981.		H. M. S.				
Apl. 15th	AE P	17 6 56	..	..	..	Feeble shock.	Apl. 23rd	AE P	4 14 2	..	..	..	Very feeble sh ck.	May 4th	AE	Record lost due to stop- page of driving clock.				
	F	18 7 0	..	..	..			F	4 25 0	..	..	..		" 5th	AN P	6 46 39	..	..	..	Feeble shock.
" 16th	AN P	12 3 23	..	..	..	Do.	" 24th	AN P	17 34 50	..	..	..			S	6 50 9	..	..	..
	F	13 5 0	..	..	..			S	17 45 11	..	..	..			L	6 52 11	..	..	..
" 16th	AE P	12 3 23	..	..	..	Do.		L	18 5 1	..	..	..			F	7 17 0	..	..	..
	F	13 5 0	..	..	..			M	18 10 6	16	10	..		" 5th	AE P	6 46 39	..	..	..	Do.
" 16th	AN P	21 47 32	..	..	..	Distant fee- ble shock.	" 24th	AE P	17 34 50	..	..	..			S	6 50 9	..	..	..
	S	21 58 14	..	..	..			S	17 45 11	..	..	..			L	6 52 11	..	..	..
	L	22 19 19	..	..	..			L	18 5 1	..	..	..			F	7 17 0	..	..	..
	F	23 9 0	..	..	..			M	18 9 36	24	..	18		" 5th	AN P	14 15 9	..	..	..	Do.
" 16th	AE P	21 45 16	..	..	..	Do.	" 26th	AN P	1 57 27	..	..	..	Feeble shock.		S	14 18 39	..	..	..
	S	21 56 6	..	..	..			F	2 39 0	..	..	..			L	14 20 50	..	..	..
	L	22 18 12	..	..	..			F	2 39 0	..	..	..			F	14 43 0	..	..	..
	F	23 4 0	..	..	..		" 26th	AE P	1 57 27	..	..	..	Do.	" 5th	AE P	14 15 9	..	..	..	Do.
" 16th	AN P	23 37 44	..	..	..	Feeble shock.	" 26th	F	2 39 0	..	..	..			S	14 18 39	..	..	..
" 17th	F	0 4 0	..	..	..			F	2 39 0	..	..	..			L	14 20 50	..	..	..
" 18th	AN P	2 39 36	..	..	..	Do.	" 27th	AN P	16 57 1	..	..	..			F	14 43 0	..	..	..
	S	2 47 20	..	..	..			S	17 2 11	..	..	..		" 6th	AN Pe	15 23 3	..	..	..
	L	2 58 43	..	..	..			L	17 6 34	..	..	..			M	16 3 50	17	3	..	
	M	3 4 29	15	5	..			M	17 12 36	16	30	..			F	17 0 0	..	..	..
	F	4 7 0	..	..	..			F	19 6 0	..	..	..		" 7th	AN P	0 50 2	..	..	..
" 18th	AE P	2 39 36	..	..	..		" 27th	AE P	16 57 1	..	..	..			S	0 53 32	..	..	..
	S	2 47 20	..	..	..			S	17 2 11	..	..	..			L	Lost in hourly break.				
	L	2 58 43	..	..	..			L	17 6 34	..	..	..			F	1 24 0	..	..	..
		3 5 58	12	..	2			M	17 12 21	15	..	19		" 7th	AE P	0 50 2	..	..	..
		4 3 0	..	..	..			F	19 6 0	..	..	..			S	0 53 32	..	..	..
" 2nd	AN P	0 10 40	..	..	..		May 3rd	AN P	20 21 1	..	..	..	Feeble shock	" 10th	AN P	19 48 41	..	..	..	Very feeble shock.
	M	0 45 34	21	4	..			F	20 51 0	..	..	..			F	20 22 0	..	..	..
	F	1 57 0	..	..	..			AE P	20 21 1	..	..	..	Do.	" 10th	AE P	19 48 41	..	..	..	Do.
" 22nd	AE Pe	0 10 40	..	..	..		" 4th	F	20 51 0	..	..	..			F	20 22 0	..	..	..
	M	0 43 25	16	..	3			AN P	2 53 8	..	..	..			S	2 56 48	..	..	..
	F	1 57 0	..	..	..			L	2 59 0	..	..	..			L	2 59 0	..	..	..
" 23rd	AN P	4 14 2	..	..	..	Very feeble shock.		M	3 5 4	9	3	..		" 10th	AN e	20 44 0	..	..	..	Tremors.
	F	4 25 0	..	..	..			F	3 31 0	..	..	..				21 19 0	..	..	..

TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. (μ)		REMARKS.	
				AN.	AE.						AN.	AE.						AN.	AE.		
1931.		H. M. S.					1931.	H. M. S.					1931.	H. M. S.							
May 10th	AE e f	20 44 0 21 19 0	..	..	..	Tremors.	May 16th	AN P S L F	9 52 21 9 56 23 9 58 44 10 31 0	..	..	..	Feeble shock.	May 17th	AE P F	15 33 35 16 5 0	..	..	..	..	Very feeble shock.
" 18th	AN P S L M F	1 48 30 1 58 48 Lost in shifting time. 2 23 9 3 7 0	..	..	..		" 16th	AE P S L F	9 52 21 9 56 23 9 58 44 10 31 0	..	..	..	Do.	" 20th	AN P S L M F	2 34 52 2 44 44 3 4 3 3 12 4	..	..	15	22	Mixed up with the next shock.
" 12th	AE P S L M F	1 48 30 1 57 48 Lost in shifting time. 2 23 55 3 7 0	..	..	..		" 16th	AN e f	21 6 0 21 47 0	..	..	..	Tremors.	" 20th	AE P S L M F	2 34 52 2 44 44 3 4 3 3 15 57	..	..	16	..	17
" 12th	AN P S L F	10 29 39 10 36 32 10 45 32 11 14 0	..	..	..	Feeble shock.	" 16th	AN e f	21 59 0 23 4 0	..	..	..	Do.	" 20th	AN P S L M F	5 15 8 5 19 21 5 22 0 5 22 50 5 54 0	..	..	6	4	..
" 12th	AE P S L F	10 29 39 10 36 32 10 45 32 11 14 0	..	..	..	Do.	" 17th	AN P S L M F	0 58 28 1 2 35 1 5 7 1 6 18 1 29 0	..	..	..	Do.	" 20th	AE P S L M F	5 15 8 5 19 21 5 22 0 5 27 30 5 54 0	..	..	6	..	1
" 18th	AN P S L F	7 58 43 8 3 0 8 5 52 8 57 0	..	..	..	Do.	" 17th	AE P S L M F	0 58 28 1 2 35 1 5 7 1 10 18 1 29 0	..	..	..	Do.	" 20th	AN P F	22 13 40 23 45 0	..	..	..	..	Distant feeble shock.
" 13th	AE P S L F	7 58 43 8 3 0 8 5 52 8 57 0	..	..	..	Feeble shock.	" 17th	AN e f	9 34 0 10 5 0	..	..	..	Tremors	" 20th	AE P F	22 13 40 23 45 0	..	..	..	..	Do.
" 13th	AN P F	23 19 3 23 54 0	..	..	..	Do.	" 17th	AE e f	9 34 0 10 5 0	..	..	..	Do.	" 24th	AN P S L F	0 22 12 0 29 35 0 39 51 1 28 0	..	..	..	..
" 15th	AE P F	23 19 3 23 54 0	..	..	..	Do.	" 17th	AN e f	12 59 0 13 25 0	..	..	..	Do.	" 24th	AE P S L F	0 22 12 0 29 35 0 39 51 1 28 0	..	..	..	..
" 15th	AN e f	8 3 0 8 18 0	..	..	..	Tremors.	" 17th	AE e f	12 59 0 13 25 0	..	..	..	Tremors.	" 24th	AN Pe f	8 9 41 8 27 0	..	..	..	..	Very feeble shock.
" 15th	AE e f	8 3 0 8 18 0	..	..	..	Do.	" 17th	AN F	15 33 35 16 5 0	..	..	..	Very feeble shock.	" 24th	AE Pe f	8 9 41 8 27 0	..	..	..	..	Very feeble shock.

TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. (μ).		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. (μ).		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. (μ).		REMARKS.	
				AN.	AE.						AN.	AE.						AN.	AE.		
1931.		H. M. S.					1931.	H. M. S.					1931.		H. M. S.						
May 27th	AN P	0 53 4	..	..	..		May 30th	AE e	12 16 0	..	..	..	Tremors.	June 2nd	AE P	17 44 25	..	..	..	Feeble shock.
	S	0 56 35	..	..	..			f	12 44 0	..	..	..			S	17 46 25	..	..	..
	L	0 58 35	..	..	..					..	..	..			L	17 47 13	..	..	..
	F	1 19 0	..	..	..		June 1st	AN. Pe	0 25 5	..	..	..	Very feeble shock.		F	18 10 0	..	..	..
	AE P	0 53 4	..	..	..			f	0 49 0	..	..	..		.. 4th	AN P	10 0 26	..	..	..
	S	0 56 35	..	..	..			AE Pe	0 25 5	..	..	..	Do.		S	10 8 45	..	..	..
	L	0 58 35	..	..	..			f	0 49 0	..	..	..			L	10 21 11	..	..	..
	F	1 19 0	..	..	..					..	..	..			F	11 0 0	..	..	..
	AN e	6 39 0	..	..	..	Tremors.		AN P	12 0 18	..	..	..	Do.		AE P	10 0 26	..	..	..
	f	7 24 0	..	..	..			F	12 57 0	..	..	..	Do.		S	10 8 45	..	..	..
	AE e	6 39 0	..	..	..	Do.		AE P	12 0 18	..	..	..	Do.		L	10 21 11	..	..	..
	f	7 24 0	..	..	..		.. 2nd	F	12 57 0	..	..	..	Do.		F	11 0 0	..	..	..
	AN P	18 45 46	..	..	..			AN P	2 48 26	..	..	..	Feeble shock.	.. 9th	AN P	12 50 34	..	..	..	Do.
28th	S	18 55 30	..	..	..			S	2 55 12	..	..	..			S	12 55 44	..	..	..
	L	19 14 7	..	..	..			L	3 3 21	..	..	..			L	13 0 14	..	..	..
	M	19 22 38	13	8	..			F	3 26 0	..	..	..			F	13 11 0	..	..	..
	F	20 2 0	..	..	..			AE. P	2 48 26	..	..	..	Do.		AE P	12 50 34	..	..	..	Do.
	AE P	18 45 46	..	..	..			S	2 55 12	..	..	..			S	12 55 44	..	..	..
	S	18 55 30	..	..	..			L	3 3 21	..	..	..			L	13 0 14	..	..	..
	L	19 14 7	..	..	..			F	3 26 0	..	..	..			F	13 11 0	..	..	..
	M	19 22 0	15	..	4			AN e	3 34 0	..	..	..	Tremors.		AN e	17 3 0	..	..	..	Tremors.
	F	20 2 0	..	..	..			f	3 58 0	..	..	..			f	17 38 0	..	..	..
	AN P	5 44 24	..	..	..	Feeble shock.		AE e	3 34 0	..	..	..	Do.		AE e	17 3 0	..	..	..	Do.
29th	F	6 7 0	..	..	..			f	3 58 0	..	..	..			f	17 38 0	..	..	..
	AE P	5 44 24	..	..	..	Do.		AN P	12 4 4	..	..	..		.. 15th	AN e	12 37 0	..	..	..	Do.
	S	6 7 0	..	..	..			S	12 5 21	..	..	..			f	13 4 0	..	..	..
	L	7 57 16	..	..	..			L	12 5 49	..	..	..			AE e	12 37 0	..	..	..	Do.
	F	8 9 0	..	..	..			M	12 5 58	4	3	..			f	13 4 0	..	..	..
30th	AN P	7 55 51	..	..	..	Do.		F	12 18 0	..	..	..		.. 17th	AN P	12 22 13	..	..	..	Feeble shock.
	S	7 56 57	..	..	..			AE P	12 4 4	..	..	..			S	12 27 55	..	..	..
	L	7 57 16	..	..	..			S	12 5 21	..	..	..			L	12 33 26	..	..	..
	F	8 9 0	..	..	..			L	12 5 49	..	..	..			F	13 5 0	..	..	..
	AE P	7 55 51	..	..	..	Do.		M	12 5 57	4	..	3			AE P	12 22 13	..	..	..	Do.
	S	7 56 57	..	..	..			F	12 18 0	..	..	..			S	12 27 55	..	..	..
	L	7 57 16	..	..	..			AN P	17 44 25	..	..	..	Feeble shock.		L	12 33 26	..	..	..
	F	8 9 0	..	..	..			S	17 46 25	..	..	..			F	13 5 0	..	..	..
	AN e	12 16 0	..	..	..	Tremors.		L	17 47 13	..	..	..			AE P	12 22 13	..	..	..
	f	12 44 0	..	..	..			F	18 10 0	..	..	..			S	12 27 55	..	..	..

TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE (μ).		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE (μ).		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE (μ).		REMARKS.	
				AN.	AE.						AN.	AE.						AN.	AE.		
1931.		H. M. S.					1931.		H. M. S.					1931.		H. M. S.					
June 17th	AN P	17 16 50	..	..	..	Feeble shock.	June 23rd	AN P	12 17 41	..	..	..	Feeble shock.	July 18th	AN P	11 35 19	..	..	..	..	..
	S	17 23 21	..	..	..			F	12 48 0	..	..	..		S	11 45 4	..	..	..	..	..
	L	17 30 56	..	..	..			AE P	12 17 41	..	..	..	Do.	L	12 2 8	..	..	..	..	..
	F	17 59 0	..	..	..			F	12 48 0	..	..	..		M	12 6 30	17	9	..	..	..
	AE P	17 16 50	..	..	..	Do.	" 24th	AN P	23 50 17	..	..	..		F	13 6 0	..	..	..	..	..
	S	17 23 21	..	..	..			M	23 56 44	16	7	..		AE P	11 35 19	..	..	..	..	..
	L	17 30 56	..	..	..		" 25th	F	0 32 0	..	..	..		S	11 45 4	..	..	..	..	..
	F	17 59 0	..	..	..			AE P	23 50 17	..	..	..		L	12 2 8	..	..	..	..	..
" 18th	AN P	13 2 7	..	..	..		" 24th	M	23 56 51	15	..	5		M	12 11 20	14	..	7	..	..
	S	13 4 50	..	..	..			F	0 37 0	..	..	..		F	12 56 0	..	..	..	..	..
	L	13 5 59	..	..	..		" 25th	AN e	0 49 0	..	..	..	Tremors.	AN P	4 0 38	..	..	..	..	..
	M	13 9 8	6	30	..			f	1 8 0	..	..	..		S	4 8 48	..	..	..	..	..
	F	13 47 0	..	..	..			AE e	0 50 0	..	..	..	Do.	L	4 21 4	..	..	..	..	..
	AE P	13 2 7	..	..	..		" 27th	f	1 7 0	..	..	..		F	4 59 0	..	..	..	..	..
	S	13 4 50	..	..	..			AN e	18 23 0	..	..	..	Do.	AE P	4 0 38	..	..	..	..	..
	L	13 5 59	..	..	..			f	18 53 0	..	..	..		S	4 8 48	..	..	..	..	..
	M	13 9 16	7	..	25			AN e	18 23 0	..	..	..	Do.	L	4 21 4	..	..	..	..	..
	F	13 47 0	..	..	..		July 12th	f	18 53 0	..	..	..		F	4 59 0	..	..	..	..	..
	AN Pe	13 47 29	..	..	..			AE e	18 23 0	..	..	..	Do.	AN P	14 33 0	..	..	..	..	..
	M	13 56 18	6	2	..			f	18 53 0	..	..	..		S	14 42 40	..	..	..	..	..
	F	14 7 0	..	..	..			AN P	16 54 23	..	..	..		L	14 59 52	..	..	..	..	..
	AE Pe	13 47 29	..	..	..			F	17 49 0	..	..	..	Do.	F	15 47 0	..	..	..	..	..
	M	13 56 34	7	..	2		July 12th	AE P	16 54 23	..	..	..		AE	Record lost due to stoppage of driving clock.						
	F	14 7 0	..	..	..			S	17 1 23	..	..	..		AN P	12 45 26	..	..	..	..	..
" 22nd	AN e	16 21 0	..	..	..	Tremors.		L	17 10 23	..	..	..		S	12 49 49	..	..	..	..	..
	f	17 0 0	..	..	..			M	17 20 24	15	4	..		L	12 52 48	..	..	..	..	..
	AE e	16 21 0	..	..	..	Do.		F	17 49 0	..	..	..		F	13 40 0	..	..	..	..	..
	f	17 0 0	..	..	..			AE P	16 54 23	..	..	..		AE P	12 45 26	..	..	..	..	..
" 23rd	AN P	6 25 17	..	..	..			S	17 1 23	..	..	..		S	12 49 49	..	..	..	..	..
	S	6 34 6	..	..	..			L	17 10 23	..	..	..		L	12 52 48	..	..	..	..	..
	L	6 49 33	..	..	..			M	17 17 9	14	..	7		L	12 52 48	..	..	..	..	..
	M	6 54 25	16	3	..		" 15th	F	18 2 0	..	..	..		F	13 41 0	..	..	..	..	..
	F	7 13 0	..	..	..			AN Pe	16 44 44	..	..	..		AN e	3 55 0	..	..	..	..	..	Tremors.
	AE P	6 25 17	..	..	..			M	17 8 10	12	7	..		f	4 34 0	..	..	..	..	..	Do.
	S	6 34 6	..	..	..			F	17 53 0	..	..	..		AE e	3 55 0	..	..	..	..	..
	L	6 49 33	..	..	..			AE Pe	16 44 44	..	..	..		f	4 34 0	..	..	..	..	..
	M	6 58 48	17	..	6			M	17 9 37	12	..	5		AN Pe	23 27 43	..	..	..	..	..
	F	7 13 0	..	..	..			F	17 49 0	..	..	..		M	23 34 39	14	4	..	..	..
							" 15th							F	0 24 0	..	..	..	..	..

TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE (μ).		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE (μ).		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE (μ).		REMARKS.	
				AN.	AE.						AN.	AE.						AN.	AE.		
1931.		H. M. S.					1931.		H. M. S.					1931.		H. M. S.					
Aug. 13th	AN e	23 3 0	..	..	..	Tremors.	Aug. 24th	AE P	21 38 12	..	..	..		Aug. 25th	AE P	10 11 58	..	..	..	Very feeble shock.
	f	23 27 0	..	..	..			S	21 41 22	..	..	..			F	10 30 0	..	..	..
	AE e	23 3 0	..	..	..	Do.		L	21 42 47	..	..	..			AN P	15 50 48	..	..	..	Feeble shock.
	f	23 27 0	..	..	..			M	21 46 33	14	..	314			F	16 9 0	..	..	..
								F	Mixed up with the next shock.												
" 15th	AN P	4 4 53	..	..	..			AN P	23 32 47	..	..	..			AE P	15 50 48	..	..	..	Do.
	S	4 8 7	..	..	..			S	23 35 22	..	..	..			F	16 9 0	..	..	..
	L	4 9 40	..	..	..			L	23 36 31	..	..	..			AN P	16 42 48	..	..	..	Do.
	F	4 29 0	..	..	..			M	23 39 24	12	14	..			F	17 3 0	..	..	..
							" 25th	F	0 29 0	..	..	..			AE P	16 42 48	..	..	..	Do.
	AE P	4 4 53	..	..	..			AE P	23 32 47	..	..	..			F	17 3 0	..	..	..
	S	4 8 7	..	..	..		" 24th	S	23 35 22	..	..	..			AN P	18 58 48	..	..	..	Do.
	L	4 9 40	..	..	..			L	23 36 31	..	..	..			F	17 3 0	..	..	..
	F	4 29 0	..	..	..			M	23 38 17	5	..	12			AN P	18 58 48	..	..	..	Do.
							" 25th	F	0 29 0	..	..	..			F	19 35 0	..	..	..
" 16th	AN e	12 29 0	..	..	..	Tremors.		AN P	0 33 47	..	..	..			AE P	18 58 48	..	..	..	Do.
	f	13 22 0	..	..	..			M	0 41 42	7	6	..			F	19 35 0	..	..	..
	AE e	12 29 0	..	..	..	Do.		F	Mixed up with the next shock.					AN e	21 43 0	..	..	..	Tremors.	
	f	13 22 0	..	..	..			AE P	0 33 47	..	..	..			f	21 59 0	..	..	..
								M	0 41 37	6	..	3			AE e	21 43 0	..	..	..	Do.
" 18th	AN P	14 27 25	..	..	..			F	Mixed up with the next shock.					f	21 59 0	..	..	..
	S	14 32 32	..	..	..			AN P	0 57 17	..	..	..	Very feeble shock.		AN P	0 32 49	..	..	..	Very feeble shock.
	L	14 36 20	..	..	..			F	1 29 0	..	..	..			F	0 51 0	..	..	..
	M	14 43 59	14	324	..			AE P	0 57 17	..	..	..	Do.		AE P	0 32 49	..	..	..	Do.
	F	17 47 0	..	..	..			F	1 26 0	..	..	..			F	0 51 0	..	..	..
	AE P	14 27 25	..	..	..			AN P	3 9 52	..	..	..			AN P	4 9 44	..	..	..	Do.
	S	14 32 32	..	..	..			S	3 12 30	..	..	..			F	4 27 0	..	..	..
	L	14 36 20	..	..	..			L	3 13 26	..	..	..			AE P	4 9 44	..	..	..	Do.
	M	14 42 9	15	..	224			M	3 16 54	10	8	..			F	4 27 0	..	..	..
	F	17 40 0	..	..	..			F	4 4 0	..	..	..			AN P	5 35 44	..	..	..	Do.
	AN Pe	18 0 0	..	..	..	Very feeble shock.		AE P	3 9 52	..	..	..			F	5 56 0	..	..	..	Do.
	F	18 39 0	..	..	..			S	3 12 30	..	..	..			AN P	5 35 44	..	..	..	Do.
	AE Pe	18 0 0	..	..	..	Do.		L	3 13 26	..	..	..			F	5 56 0	..	..	..
	F	18 49 0	..	..	..			M	3 17 22	12	..	7			AE P	5 35 44	..	..	..	Do.
" 24th	AN P	21 38 12	..	..	..			F	4 4 0	..	..	..			F	5 56 0	..	..	..
	S	21 41 22	..	..	..			AN P	10 11 58	..	..	..	Do.		AN e	6 24 0	..	..	..	Tremors.
	L	21 42 47	..	..	..			F	10 30 0	..	..	..			f	6 38 0	..	..	..
	M	21 46 17	14	410	..																
	F	Mixed up with the next shock.																			

TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)		REMARKS.
				AN.	AE.						AN.	AE.						AN.	AE.	
1931.		H. M. S.					1931.	H. M. S.					1931.	H. M. S.						
Aug. 26th	AE e	6 24 0	..	..	..	Tremors.	Aug. 27th	AN e	8 43 0	..	..	..	Tremors.	Aug. 28th	AE Pe	0 44 30	..	..	..
	f	6 38 0	..	..	..			f	9 12 0	..	..	..			M	0 51 33	9	..	18	
	AN. P	8 1 59	..	..	..	Feeble shock.		AE e	8 43 0	..	..	..	Do.		F	1 31 0	..	..	..
	F	8 30 0	..	..	..			f	9 12 0	..	..	..			AN P	3 22 46	..	..	..	Very feeble shock.
	AE. P	8 1 59	..	..	..	Do.		AN P	15 30 12	..	..	..			F	3 42 0	..	..	..
	F	8 30 0	..	..	..			S	15 32 50	..	..	..			AE P	3 22 46	..	..	..	Do.
	AN P	11 1 49	..	..	..	Slight shock.		L	15 34 5	..	..	..			F	3 45 0	..	..	..
	F	11 28 0	..	..	..			M	15 41 12	20	816	..			AN P	7 51 46	..	..	..	Do.
	AE P	11 1 49	..	..	..	Do.		F	Mixed up with the next shock.					F	8 15 0	..	..	..
	F	11 28 0	..	..	..			AE P	15 30 12	..	..	..			AE P	7 51 46	..	..	..	Do.
	AN P	15 22 15	..	..	..	Very feeble shock.		S	15 32 50	..	..	..			F	8 15 0	..	..	..
	F	15 42 0	..	..	..			L	15 34 5	..	..	..			AN P	10 15 12	..	..	..	Feeble shock.
	AE P	15 22 15	..	..	..	Do.		M	15 42 30	14	305	..			F	10 42 0	..	..	..
	F	15 42 0	..	..	..			F	Mixed up with the next shock.					AE P	10 15 12	..	..	..	Do.	
	AN P	19 34 57	..	..	..			AN P	18 4 45	..	..	..	Feeble shock.		F	10 42 0	..	..	..
	M	19 39 36	14	8	..			F	Mixed up with the next shock.					AN e	15 21 0	..	..	..	Tremors.	
	F	20 35 0	..	..	..			AE P	18 4 45	..	..	..	Do.		f	15 32 0	..	..	..
	AE P	19 34 57	..	..	..			F	Mixed up with the next shock.					AE e	15 21 0	..	..	..	Do.	
	M	19 39 44	9	..	4			AN P	18 47 45	..	..	..	Do.		f	15 32 0	..	..	..
	F	20 32 0	..	..	..			F	19 35 0	..	..	..			AN e	18 16 0	..	..	..	Do.
	AN P	22 26 15	..	..	..	Very feeble shock.		AE P	18 47 45	..	..	..	Do.		f	18 39 0	..	..	..
	F	22 49 0	..	..	..			F	19 35 0	..	..	..			AE e	18 16 0	..	..	..	Do.
	AE P	22 26 15	..	..	..	Do.		AN P	20 7 45	..	..	..	Very feeble shock.		f	18 39 0	..	..	..
	F	22 49 0	..	..	..			F	20 42 0	..	..	..			AN P	19 42 40	..	..	..
27th	AN e	4 31 0	..	..	..	Tremors.		AE P	20 7 45	..	..	..	Do.		S	19 45 20	..	..	..
	f	5 5 0	..	..	..			F	20 42 0	..	..	..			L	19 46 47	..	..	..
	AE e	4 31 0	..	..	..	Do.		AN e	21 16 0	..	..	..	Tremors.		M	19 50 36	8	12	..	
	f	5 5 0	..	..	..			f	21 35 0	..	..	..			F	20 26 0	..	..	..
	AN P	7 21 44	..	..	..	Very feeble shock.		AE e	21 16 0	..	..	..	Do.		AE P	19 42 40	..	..	..
	F	7 44 0	..	..	..			f	21 35 0	..	..	..			S	19 45 20	..	..	..
	AE P	7 21 44	..	..	..	Do.	28th	AN Fe	0 44 30	..	..	..			L	19 46 47	..	..	..
	F	7 44 0	..	..	..			M	0 53 12	8	11	..			M	19 47 10	7	..	12	
								F	1 35 0	..	..	..			F	20 28 0	..	..	..
														AN P	21 28 24	..	..	..	Feeble shock.	
														F	21 56 0	..	..	..

TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)		REMARKS.	
				AN.	AE.						AN.	AE.						AN.	AE.		
1931.		H. M. S.					1931.	H. M. S.					1931.	H. M. S.							
Aug. 28th	AE P	21 28 24	..	..	..	Feeble shock.	Aug. 30th	AE e	23 46 0	..	..	..	Tremors.	Sept. 3rd	AE P	17 36 47	..	..	..	..	Very feeble shock.
	F	21 56 0	..	..	..			f	23 59 0	..	..	..			F	17 49 0	..	..	..	..
" 29th	AN P	1 54 48	..	..	..	Do.	" 31st	AN e	0 38 0	..	..	..	Do.	" 3rd	AN e	17 54 0	..	..	..	..	Tremors.
	F	Lost in shifting time.						f	0 52 0	..	..	..			f	18 13 0	..	..	..	..
	AE P	1 54 48	..	..	..	Do.		AE e	0 38 0	..	..	..	Do.		AE e	17 54 0	..	..	..	..	Do.
	F	Lost in shifting time.						f	0 52 0	..	..	..			f	18 13 0	..	..	..	..
	AN P	6 7 21	..	..	..	Very feeble shock.		AN e	4 34 0	..	..	..	Do.	" 4th	AN e	0 50 0	..	..	..	..	Do.
	F	6 33 0	..	..	..			f	4 55 0	..	..	..			f	1 25 0	..	..	..	..
	AE P	6 7 21	..	..	..	Do.		AE e	4 34 0	..	..	..	Do.		AE e	0 50 0	..	..	..	..	Do.
	F	6 33 0	..	..	..			f	4 55 0	..	..	..			f	1 25 0	..	..	..	..
	AN P	13 30 14	..	..	..	Do.	Sept. 2nd	AN e	6 24 0	..	..	..	Do.	" 5th	AN P	8 30 54	..	..	..	..	Feeble shock.
	F	13 57 0	..	..	..			f	6 47 0	..	..	..			F	8 51 0	..	..	..	..
	AE P	13 30 14	..	..	..	Do.		AE e	6 24 0	..	..	..	Do.		AE P	8 30 54	..	..	..	..	Do.
	F	13 57 0	..	..	..			f	6 47 0	..	..	..			F	8 51 0	..	..	..	..
	AN P	19 58 45	..	..	..	Do.		AN e	7 44 0	..	..	..	Do.	" 6th	AN P	5 43 4	..	..	..	..	Do.
	F	20 23 0	..	..	..			f	8 5 0	..	..	..			F	6 18 0	..	..	..	..
	AE P	19 58 45	..	..	..	Do.		AE e	7 44 0	..	..	..	Do.		AE P	5 43 4	..	..	..	..	Do.
	F	20 23 0	..	..	..			f	8 5 0	..	..	..			F	6 18 0	..	..	..	..
	AN P	10 40 22	..	..	..	Do.	" 3rd	AN e	14 54 47	..	..	..	Very feeble shock.	" 7th	AN P	14 35 42	..	..	..	..
	F	21 3 0	..	..	..			f	15 13 0	..	..	..			S	14 38 27	..	..	..	..
	AE P	20 40 22	..	..	..	Do.		AE e	14 54 47	..	..	..	Do.		L	14 39 37	..	..	..	..
	F	21 3 0	..	..	..			f	15 13 0	..	..	..			M	14 44 15	8	5	..	..
" 30th	AN P	8 58 46	..	..	..	Do.		AN e	17 15 13	..	..	..			F	15 24 0	..	..	..	..
	F	9 14 0	..	..	..			f	17 15 13	..	..	..			AE P	14 35 42	..	..	..	..
	AE P	8 58 46	..	..	..	Do.		AN e	17 17 56	..	..	..			S	14 38 27	..	..	..	..
	F	9 14 0	..	..	..			f	17 17 56	..	..	..			L	14 39 37	..	..	..	..
	AN e	22 6 0	..	..	..	Tremors.		AN e	17 19 17	..	..	..			M	14 40 1	6	..	5	..	
	f	22 18 0	..	..	..			f	17 19 17	..	..	..			F	15 22 0	..	..	..	..
	AE e	22 6 0	..	..	..	Do.		M	17 20 47	9	4	..			AN P	21 17 39	..	..	..	..
	f	22 18 0	..	..	..			F	Mixed up with the next shock.						S	21 20 14	..	..	..	..
	AN e	23 46 0	..	..	..	Do.		AN e	17 21 1	10	..	3			L	21 21 19	..	..	..	..
	f	23 59 0	..	..	..			f	Mixed up with the next shock.						F	21 50 0	..	..	..	..
								AN P	17 36 47	..	..	..	Very feeble shock.		AE P	21 17 39	..	..	..	..
								F	17 49 0	..	..	..			S	21 20 14	..	..	..	..
															L	21 21 19	..	..	..	..
															F	21 50 0	..	..	..	..

TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. (μ)		REMARKS.	
				AN.	AE.						AN.	AE.						AN.	AE.		
1931.		H. M. S.					1931.	H. M. S.						1931.	H. M. S.						
Sept. 8th	AN P	16 16 40	..	..	..		Sept. 12th	AN P	2 5 25	..	..	..	Distant feeble shock.	Sept. 14th	AE P	3 36 10	..	..	..
	S	16 19 20	..	..	..			F	3 11 0	..	..	..			S	3 39 22	..	..	..
	L	16 20 25	..	..	..			AE P	2 5 25	..	..	..	Do.		L	3 41 1	..	..	..
	F	16 53 0	..	..	..			F	3 11 0	..	..	..		F	4 27 0	..	..	..
	AE P	16 16 40	..	..	..			AN P	12 34 25	..	..	..		.. 16th	AN P	10 44 37	..	..	..	Very feeble shock.	
	S	16 19 20	..	..	..			S	12 37 9	..	..	..		F	11 3 0	..	..	..
	L	16 20 25	..	..	..			L	12 38 5	..	..	..		AE P	10 44 37	..	..	..	Do.		
	F	16 57 0	..	..	..			F	13 7 0	..	..	..		F	11 3 0	..	..	..
	AN P	19 19 21	..	..	..	Distant feeble shock.		AE P	12 34 25	..	..	..		AN P	12 53 14	..	..	..
	F	20 42 0	..	..	..			S	12 37 9	..	..	..		S	13 1 26	..	..	..
	AE P	19 19 21	..	..	..	Do.		L	12 38 5	..	..	..		Le	13 14 58	..	..	..
	F	20 42 0	..	..	..			F	13 7 0	..	..	..		F	13 43 0	..	..	..
.. 9th	AN P	20 40 14	..	..	..			AN P	18 35 30	..	..	..		AE P	12 53 14	..	..	..
	S	20 57 58	..	..	..			S	18 38 10	..	..	..		S	13 1 26	..	..	..
	L	21 13 6	..	..	..			L	18 39 13	..	..	..		Le	13 14 58	..	..	..
	F	22 55 0	..	..	..			F	19 16 0	..	..	..		F	13 43 0	..	..	..
	AE P	20 49 14	..	..	..			AE P	18 35 30	..	..	..		.. 18th	AN P	18 2 24	..	..	..	Very feeble shock.	
	S	20 57 58	..	..	..			S	18 38 10	..	..	..		S	18 2 37	..	..	..
	L	21 13 6	..	..	..			L	18 39 13	..	..	..		L	18 2 47	..	..	..
	F	22 55 0	..	..	..			F	19 16 0	..	..	..		F	18 9 0	..	..	..
.. 10th	AN P	22 30 46	..	..	..		.. 13th	AN e	3 39 0	..	..	..	Tremors.	AE P	18 2 24	..	..	..	Do.		
	S	22 33 30	..	..	..			f	3 54 0	..	..	..		S	18 2 37	..	..	..
	L	22 34 31	..	..	..			AE e	3 39 0	..	..	..	Do.	L	18 2 47	..	..	..
	F	23 16 0	..	..	..			f	3 54 0	..	..	..		F	18 9 0	..	..	..
	AE P	22 30 46	..	..	..			AN e	4 30 0	..	..	..	Do.	AN P	19 0 57	..	..	..
	S	22 33 30	..	..	..			f	4 53 0	..	..	..		S	19 3 34	..	..	..
	L	22 34 31	..	..	..			AE e	4 30 0	..	..	..	Do.	L	19 4 42	..	..	..
	F	23 16 0	..	..	..			f	4 53 0	..	..	..		F	19 34 0	..	..	..
.. 11th	AN P	16 27 40	..	..	..	Very feeble shock.		AN P	5 30 46	..	..	..	Feeble shock.	AE P	19 0 57	..	..	..
	F	16 54 0	..	..	..			F	6 21 0	..	..	..		S	19 3 34	..	..	..
	AE P	16 27 40	..	..	..	Do.		AE P	5 30 46	..	..	..	Do.	L	19 4 42	..	..	..
	F	16 54 0	..	..	..			F	6 21 0	..	..	..		F	19 34 0	..	..	..
	AN e	23 20 0	..	..	..	Tremors.		AN P	3 36 10	..	..	..		AN P	21 56 47	..	..	..	Very feeble shock.		
	f	23 39 0	..	..	..		.. 14th	S	3 39 22	..	..	..		F	22 16 0	..	..	..
	AE e	23 20 0	..	..	..	Do.		L	3 41 1	..	..	..		AE P	21 56 47	..	..	..	Do.		
	f	23 39 0	..	..	..			F	4 27 0	..	..	..		F	22 16 0	..	..	..

TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. (μ)		REMARKS.
				AN.	AE.						AN.	AE.						AN.	AE.	
1931.		H. M. S.					1931.	H. M. S.						1931.	H. M. S.					
Sept. 19th	AN P	7 59 30	..	..	..	Feeble shock.	Sept. 23rd	AN P	2 10 44	..	..	..	Feeble shock.	Sept. 28th	AE P	17 25 40	..	..	..	Feeble shock.
	F	8 45 0	..	..	..			F	2 36 0	..	..	..			F	18 31 0	..	..	..
	AE P	7 59 30	..	..	..	Do.		AE P	2 10 44	..	..	..	Do.	„ 20th	AN P	5 24 8	..	..	..
	F	8 45 0	..	..	..			F	2 37 0	..	..	..			S	5 31 38	..	..	..
„ 20th	AN P	15 32 48	..	..	..	Do.	„ 25th	AN P	4 33 47	..	..	..	Do.		L	5 42 14	..	..	..
	F	15 52 0	..	..	..			F	4 57 0	..	..	..			F	6 29 0	..	..	..
	AE P	15 32 48	..	..	..	Do.		AE P	4 33 47	..	..	..	Do.		AE P	5 24 8	..	..	..
	F	15 52 0	..	..	..			F	4 57 0	..	..	..		S	5 31 38	..	..	..
„ 21st	AN P	23 47 53	..	..	..	Do.		AN P	6 7 9	..	..	..			L	5 42 14	..	..	..
	F	0 24 0	..	..	..			S	6 13 2	..	..	..			F	6 29 0	..	..	..
„ 20th	AE P	23 47 56	..	..	..	Do.		M	6 22 17	21	728	..			AN c	9 56 0	..	..	..	Tremors.
„ 21st	F	0 24 0	..	..	..			F	11 42 0	..	..	..		f	10 27 0	..	..	..
	AN P	2 30 16	..	..	..			AE P	6 7 9	..	..	..			AE c	9 56 0	..	..	..	Do.
	S	2 38 24	..	..	..			S	6 13 2	..	..	..			f	10 27 0	..	..	..
	L	2 51 3	..	..	..			L	6 18 55	..	..	..		„ 30th	AN P	11 17 45	..	..	..
	M	2 55 34	14	13	..			M	6 21 47	20	296	..			S	11 20 24	..	..	..
	F	4 49 0	..	..	..			F	10 29 0	..	..	..			L	11 21 30	..	..	..
	AE P	2 30 16	..	..	..			AN P	16 57 47	..	..	..	Very feeble shock.		M	11 24 36	8	6	..	
	S	2 38 24	..	..	..			F	17 55 0	..	..	..			F	12 39 0	..	..	..
	L	2 51 2	..	..	..			AE P	16 57 47	..	..	..	Do.		AE P	11 17 45	..	..	..
	M	2 59 0	14	..	7			F	17 55 0	..	..	..		S	11 20 24	..	..	..
	F	4 46 0	..	..	..			AN P	21 40 36	..	..	..			L	11 21 30	..	..	..
	AN P	10 34 39	..	..	..			S	21 44 47	..	..	..			M	11 24 15	8	..	8	
	S	10 40 35	..	..	..			L	21 47 24	..	..	..			F	12 41 0	..	..	..
	L	10 46 5	..	..	..			F	22 28 0	..	..	..			AN P	12 59 13	..	..	..
	M	10 52 52	15	132	..			AE P	21 40 36	..	..	..			S	13 1 57	..	..	..
	F	12 42 0	..	..	..			S	21 44 47	..	..	..			L	13 3 0	..	..	..
	AE P	10 34 39	..	..	..			L	21 47 24	..	..	..			F	13 36 0	..	..	..
	S	10 40 35	..	..	..			F	22 28 0	..	..	..			AE P	12 59 13	..	..	..
	L	10 46 5	..	..	..			AN P	20 22 45	..	..	..			S	13 1 57	..	..	..
	M	10 54 58	13	..	14		„ 26th	F	22 26 0	..	..	..	Distant shock.		L	13 3 0	..	..	..
	F	12 29 0	..	..	..			AE P	20 22 45	..	..	..	Do.	Oct. 1st	F	13 36 0	..	..	..
	AN c	13 52 0	..	..	..	Tremors.		F	22 25 0	..	..	..			AN Pe	12 8 32	..	..	..	Distant feeble shock.
	f	15 0 0	..	..	..			AN P	17 25 49	..	..	..	Feeble shock.		F	13 51 0	..	..	..
	AE c	13 52 0	..	..	..	Do.	„ 28th	F	18 31 0	..	..	..			AE Pe	12 8 32	..	..	..	Do.
	f	15 0 0	..	..	..					..	..	..			F	13 51 0	..	..	..

TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)		REMARKS.	
				AN.	AE.						AN.	AE.						AN.	AE.		
1931.		H. M. S.					1931.	H. M. S.					1931.	H. M. S.							
Oct. 2nd	AN P	14 23 49		Oct. 4th	AN e	16 5 0	Tremors.	Oct. 9th	AE P	6 11 18		
	S	14 28 19			f	16 42 0			S	6 15 10		
	L	14 31 29			AE e	16 5 0	Do.		L	6 17 25		
	F	15 7 0			f	16 42 0		M	6 19 35	16	..	5			
	AE P	14 23 49			AN P	22 43 24	Very feeble shock.		F	7 27 0		
	S	14 28 19			F	23 31 0		AN Pe	15 43 0		Very feeble shock.	
	L	14 31 29			AE P	22 43 24	Do.	F	15 55 0			
	F	15 7 0			F	23 31 0		AE Pe	15 43 0		Do.	
" 3rd	AN Pe	10 35 4		" 5th	AN P	4 56 10	Do.	" 10th	AN P	0 34 4		
	S	10 41 28	..	..	..			F	5 52 0	..	..	..		S	0 44 37	..	..	..
	L	10 47 7	..	..	..			AE P	4 56 10	..	..	..		L	1 0 1	..	..	..
	F	11 35 0	..	..	..			F	5 52 0	..	..	..		M	1 9 45	25	123	..		
	AE Pe	10 35 4	..	..	..			AN P	22 35 24	..	..	..		F	7 8 0	..	..	..
	S	10 41 28	..	..	..			S	22 38 37	..	..	..		AE P	0 34 4	..	..	..
	L	10 47 7	..	..	..			L	22 39 53	..	..	..		S	0 44 37	..	..	..
	F	11 34 0	..	..	..			M	22 42 10	8	12	..		L	1 6 1	..	..	..
	AN Pe	17 31 0	..	..	..	Very feeble shock.	" 6th	F	0 28 0	..	..	..	Do.	M	1 42 48	19	..	60		
	F	17 45 0	..	..	..			AE P	22 35 24	..	..	..		F	7 8 0	..	..	..
	AE Pe	17 31 0	..	..	..	Do.	" 8th	S	22 38 37	..	..	..		AN c	7 32 0	..	..	..		Tremors.
	F	17 45 0	..	..	..			L	22 39 53	..	..	..		f	8 50 0	..	..	..
	AN P	19 26 41	..	..	..			M	22 42 10	9	..	19		AE e	7 32 0	..	..	..		Do.
	S	19 37 43	..	..	..			F	0 31 0	..	..	..		f	8 50 0	..	..	..
	L	20 0 21	..	..	..			AN P	17 59 57	..	..	..	Do.	AN P	16 57 43	..	..	..
	M	20 26 30	15	88	..		" 6th	F	19 38 0	..	..	..		M	17 18 31	11	8	..		
" 4th	F	3 32 0	..	..	..			AE P	17 59 57	..	..	..	Do.	F	18 20 0	..	..	..
" 3rd	AE P	19 26 41	..	..	..			F	19 38 0	..	..	..		AE P	16 57 43	..	..	..
	S	19 37 43	..	..	..			AN Pe	21 18 50	..	..	..	Do.	M	17 20 38	13	..	8		
	L	20 0 21	..	..	..			F	21 48 0	..	..	..		F	18 23 0	..	..	..
	M	20 13 21	19	..	104			AE Pe	21 18 50	..	..	..	Do.	AN P	0 41 33	..	..	..		Very feeble shock.
" 4th	F	8 34 0	..	..	..			F	21 53 0	..	..	..	Do.	F	1 4 0	..	..	..
	AN P	11 28 15	..	..	..		" 9th	AN P	6 11 18	..	..	..		AE P	0 41 33	..	..	..		Do.
	S	11 31 55	..	..	..			S	6 15 10	..	..	..		F	1 2 0	..	..	..
	L	11 34 10	..	..	..			L	6 17 25	..	..	..		AN c	1 1 0	..	..	..		Tremors.
	M	11 37 8	9	4	..			M	6 25 17	16	4	..		f	1 27 0	..	..	..
	F	12 9 0	..	..	..			F	7 29 0	..	..	..		AE e	1 1 0	..	..	..		Do.
	AE P	11 28 15	..	..	..			F	..	..	..	..		f	1 29 0	..	..	..

TABLE E 2—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE (μ)	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE (μ)	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE (μ)	REMARKS.				
				AN. AE.						AN. AE.						AN. AE.					
1931.		H. M. S.				1931.		H. M. S.				1931.		H. M. S.							
Oct. 12th	AN	3 47 0	Tremors.	Oct. 18th	AN	7 12 0	Oct. 24th	AE	2 59 0	Tremors.	Oct. 24th	AE	2 59 0
	e	4 33 0			P	7 16 36		e	3 22 0						
	f	3 47 0	L		7 19 52	f		4 48 0	Do.						
	AE	4 29 0	M		7 20 12	7	6 ..	e		5 10 0							
	e	13 50 2	Very feeble shock.		AB	7 12 0		f	4 48 0	Do.					
	f	14 44 0			P	7 16 36		e	5 10 0						
	AN	13 50 2	Do.		S	7 19 52		f	11 48 17	Distant feeble shock.					
	P	14 43 0			L	7 23 23	9	.. 3		P	13 29 0						
	AE	5 16 0	Tremors.		M	8 6 0		F	11 48 17	Do.					
	f	6 17 0			F	16 37 0		P	13 33 0						
	AE	5 16 0	Do.		AN	16 4 49		F	5 24 0	Tremors.					
	f	6 17 0			P	16 37 0		e	6 21 0						
AN	11 20 0	..	.. ..	Do.	AE	16 4 49	..	.. ..	f	6 21 0	..	.. ..	Do.		
f	12 36 0	..	.. ..		P	16 37 0	..	.. ..	e	5 24 0	..	.. ..							
AE	11 20 0	..	.. ..	Do.	F	0 53 16	..	.. ..	f	6 21 0	..	.. ..	Do.		
f	12 36 0		AN	1 2 0	P	12 6 47		Feeble shock.							
AN	21 13 0	..	.. ..	Do.	P	0 53 16	..	.. ..	F	13 27 0	..	.. ..	Do.		
f	22 22 0	..	.. ..		AN	1 2 0	..	.. ..	e	12 6 47	..	.. ..							
AE	21 13 0	..	.. ..	Do.	S	3 0 27	..	.. ..	f	13 27 0	..	.. ..	Do.		
f	22 22 0	..	.. ..		L	3 0 38	..	.. ..	P	13 27 0	..	.. ..							
AN	13 7 0	..	.. ..	Do.	F	3 0 47	..	.. ..	F	14 51 17	..	.. ..	Do.		
f	14 2 0	..	.. ..		AE	3 0 38	..	.. ..	e	15 53 0	..	.. ..							
AE	13 7 0	..	.. ..	Do.	P	3 0 47	..	.. ..	f	14 51 17	..	.. ..	Do.		
f	14 2 0	..	.. ..		S	3 6 0	..	.. ..	P	15 53 0	..	.. ..							
AN	0 31 22	..	.. ..	Distant feeble shock.	F	3 6 0	..	.. ..	F	14 51 17	..	.. ..	Do.		
F	2 58 0	..	.. ..		AN	12 1 44	..	.. ..	e	15 53 0	..	.. ..							
AE	0 31 22	..	.. ..	Do.	P	13 21 0	..	.. ..	f	18 32 57	..	.. ..	Feeble local shock.		
F	2 58 0	..	.. ..		AE	12 1 44	..	.. ..	P	18 36 0	..	.. ..							
AN	4 38 31	..	.. ..	Feeble shock.	F	13 21 0	..	.. ..	F	18 32 57	..	.. ..	Do.		
F	6 34 0	..	.. ..		AN	20 18 11	..	.. ..	e	18 36 0	..	.. ..							
AE	4 38 31	..	.. ..	Do.	P	22 6 0	..	.. ..	f	19 59 34	..	.. ..	Feeble shock.		
F	6 40 0	..	.. ..		AE	22 6 0	..	.. ..	P	20 32 0	..	.. ..							
						.. 24th	AN	2 59 0	Tremors.		AE	19 59 34	Do.				
							f	3 22 0			F	20 32 0					

TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)		REMARKS.
				AN.	AE.						AN.	AE.						AN.	AE.	
1931.		H. M. S.					1931.	H. M. S.					1931.		H. M. S.					
Oct. 27th	AN e	1 47 0	Tremors.	Oct. 30th	AN P	10 15 47	Very feeble shock.	Nov. 2nd	AN P	17 50 0	
	f	2 20 0	..	..	..			F	10 35 0	..	..	..		S	17 24 39	..	..	..
	AE e	1 47 0	..	..	..	Do.		AE P	10 15 47	..	..	..	Do.	L	17 43 12	..	..	..
	f	2 20 0	..	..	..			F	10 35 0	..	..	..		M	18 14 26	16	7	..	
	AN P	19 0 13	..	..	..			AN e	16 48 0	..	..	..	Feeble tremors.	AE P	17 15 0	..	..	..
	S	19 2 0	..	..	..			f	16 59 0	..	..	..		S	17 24 39	..	..	..
	L	19 2 48	..	..	..			AE e	16 48 0	..	..	..	Do.	L	17 43 12	..	..	..
	M	19 4 23	6	3	..			f	16 59 0	..	..	..		M	18 8 10	16	..	6	
	F	19 54 0	..	..	..		Nov. 1st	AN P	19 2 41	..	..	..		F	20 8 0	..	..	..
	AE P	19 0 13	..	..	..			S	19 10 30	..	..	..		AN e	2 48 0	..	..	..	Tremors.
	S	19 2 0	..	..	..			L	19 22 43	..	..	..		f	3 9 0	..	..	..
	L	19 2 48	..	..	..			M	19 27 54	16	7	..		AE e	2 48 0	..	..	..	Do.
	M	19 4 0	6	..	3			F	20 31 0	..	..	..		f	3 17 0	..	..	..
	F	20 8 0	..	..	..			AE P	19 2 41	..	..	..		AN P	16 27 50	..	..	..	Feeble shock.
	AN P	21 5 24	..	..	..			S	19 10 30	..	..	..		F	17 32 0	..	..	..
	S	21 7 10	..	..	..			L	19 22 43	..	..	..		AE P	16 27 50	..	..	..	Do.
	L	21 7 49	..	..	..			M	19 28 16	15	..	8		F	17 47 0	..	..	..
	F	21 34 0	..	..	..		Nov. 2nd	F	20 34 0	..	..	..		AN P	15 25 42	..	..	..
	AE P	21 5 24	..	..	..			AN P	0 50 48	..	..	..		S	15 28 38	..	..	..
	S	21 7 10	..	..	..			M	1 57 25	24	10	..		L	15 30 4	..	..	..
	L	21 7 49	..	..	..			F	3 33 0	..	..	..		AE P	16 6 0	..	..	..
	F	21 34 0	..	..	..			AE P	0 50 48	..	..	..		F	16 6 0	..	..	..
	AN P	5 43 42	..	..	..			M	2 0 43	25	..	8		AN P	15 25 42	..	..	..
" 28th	M	6 5 9	13	4	..			F	3 20 0	..	..	..		S	15 28 38	..	..	..
	F	7 15 0	..	..	..			AN e	4 35 0	..	..	..	Tremors.	L	15 30 4	..	..	..
	AE	Record lost owing to faint illumination.						f	5 14 0	..	..	..		F	16 7 0	..	..	..
	AN P	7 34 25	..	..	..	Very feeble shock.		AE e	4 35 0	..	..	..	Do.	AN P	18 4 55	..	..	..
	F	8 4 0	..	..	..			f	5 14 0	..	..	..		M	18 33 1	21	8	..	
	AN P	7 34 25	..	..	..	Do.		AN P	10 12 26	..	..	..		F	19 26 0	..	..	..
	F	8 4 0	..	..	..			S	10 20 6	..	..	..		AE P	18 4 55	..	..	..
	AN e	8 57 0	..	..	..	Tremors.		L	10 31 54	..	..	..		M	18 39 8	16	..	5	
	f	9 28 0	..	..	..			M	10 37 46	16	194	..		F	19 37 0	..	..	..
	AE e	8 57 0	..	..	..	Do.		F	14 5 0	..	..	..		AN P	12 25 54	..	..	..
	f	9 31 0	..	..	..			AN P	10 12 26	..	..	..		S	12 20 58	..	..	..
								S	10 20 6	..	..	..		L	12 35 16	..	..	..
								L	10 31 54	..	..	..		M	12 39 42	21	80	..	
								M	10 37 49	16	..	207		F	14 29 0	..	..	..
								F	14 7 0	..	..	..					

TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)		REMARKS.
				AN.	AE.						AN.	AE.						AN.	AE.	
1931.		H. M. S.					1931.	H. M. S.					1931.		H. M. S.					
Nov. 5th	AE P	12 25 54	..	..	..		Nov. 17th	AN P	9 52 30	..	..	..	Very feeble shock.	Nov. 26th	AN e	12 18 0	..	..	..	Tremors.
	S	12 30 58	..	..	..			F	10 22 0	..	..	..			f	14 2 0	..	..	..
	L	12 35 16	..	..	..			AE P	9 52 30	..	..	..	Do.		AE e	12 18 0	..	..	..	Do.
	M	12 40 1	17	..	54			F	10 22 0	..	..	..			f	14 2 0	..	..	..
	F	14 38 0	..	..	..												
" 6th	AN e	0 1 0	..	..	..	Tremors.	" 18th	AN P	3 50 44	..	..	..	Feeble dis- tant shock.	" 29th	AN P	19 57 57	..	..	..
	f	0 24 0	..	..	..			F	6 9 0	..	..	..			S	20 2 24	..	..	..
	AE e	0 1 0	..	..	..	Do.		AE P	3 50 44	..	..	..			L	20 5 25	..	..	..
	f	0 24 0	..	..	..			F	6 9 0	..	..	..			F	20 28 0	..	..	..
" 7th	AN P	5 9 7	..	..	..	Very feeble shock.	" 20th	AN P	10 55 21	..	..	..	Feeble shock.		AE P	19 57 57	..	..	..
	F	5 37 0	..	..	..			F	11 35 0	..	..	..			S	20 2 24	..	..	..
	AE P	5 9 7	..	..	..	Do.		AE P	10 55 21	..	..	..	Do.		L	20 5 25	..	..	..
	F	5 38 0	..	..	..			F	11 35 0	..	..	..			F	20 28 0	..	..	..
" 13th	AN P	1 15 45	..	..	..			AN P	14 29 42	..	..	..		" 30th	AN P	17 7 33	..	..	..	Feeble shock.
	S	1 18 6	..	..	..			S	14 40 6	..	..	..			S	17 11 35	..	..	..
	L	1 19 6	..	..	..			L	14 59 19	..	..	..			L	17 13 43	..	..	..
	F	1 40 0	..	..	..			M	15 29 57	16	5	..			F	17 48 0	..	..	..
	AE P	1 15 45	..	..	..			F	17 27 0	..	..	..			AE P	17 7 33	..	..	..	Do.
	S	1 18 6	..	..	..			AE P	14 29 42	..	..	..			S	17 11 35	..	..	..
	L	1 19 6	..	..	..			S	14 40 6	..	..	..			L	17 13 43	..	..	..
	F	1 40 0	..	..	..			L	14 59 19	..	..	..			F	17 48 0	..	..	..
	AE P	1 15 45	..	..	..			M	15 7 2	29	..	18			AN P	23 48 5	..	..	..	Very feeble shock.
" 15th	AN P	5 3 4	..	..	..	Feeble shock.	" 21st	AN e	18 2 0	..	..	..	Tremors.	Dec. 1st	F	0 7 0	..	..	..
	F	5 38 0	..	..	..			f	18 30 0	..	..	..			AE P	23 48 5	..	..	..	Do.
	AE P	5 3 4	..	..	..	Do.		AE e	18 2 0	..	..	..	Do.	Nov. 30th	F	0 7 0	..	..	..
	F	5 38 0	..	..	..			f	18 31 0	..	..	..		Dec. 1st	AN P	3 40 10	..	..	..	Distant feeble shock.
" 16th	AN P	2 53 23	..	..	..	Very feeble shock.	" 23rd	AN e	13 39 0	..	..	..	Do.		F	6 0 0	..	..	..
	F	3 42 0	..	..	..			f	14 20 0	..	..	..			AE P	3 40 10	..	..	..	Do.
	AE P	2 53 23	..	..	..	Do.		AE e	13 39 0	..	..	..	Do.		F	6 0 0	..	..	..
	F	3 41 0	..	..	..			f	14 24 0	..	..	..			AN P	18 37 40	..	..	..	Do.
	AN P	8 29 18	..	..	..	Do.	" 24th	AN P	9 16 15	..	..	..	Feeble shock.		F	20 46 0	..	..	..
	F	9 22 0	..	..	..			F	10 13 0	..	..	..			AE P	18 37 40	..	..	..	Do.
	AE P	8 29 18	..	..	..	Do.		AE P	9 16 15	..	..	..	Do.]		F	20 46 0	..	..	..
	F	9 22 0	..	..	..			F	10 13 0	..	..	..			F	20 46 0	..	..	..

TABLE E 2—concl'd.

Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. (μ)		REMARKS.
				AN.	AE.						AN.	AE.						AN.	AE.	
1931.		H. M. S.					1931.	H. M. S.						1931.	H. M. S.					
Dec. 30th	AN e	1 25 0	Tremors.	Dec. 31st	AN P	0 30 39		Dec. 31st	AE P	0 30 39	
	f	1 45 0			S	0 36 15			S	0 36 15	
	AE e	1 25 0	Do.		L	0 41 21			L	0 41 21	
	f	1 45 0			F	3 5 0			F	3 13 0	

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STATION—CALCUTTA (ALIPORE).

$\phi=22^{\circ} 32' N$; $\lambda=88^{\circ} 20' E$; $h=7.1$ m. *Subsoil—Alluvial.*

Apparatus:—Omori—Ewing Horizontal Pendulum Seismographs and Milne Shaw Seismograph.

TABLE E 3.

						V	To	G	I												
						250	12 Secs.	20.1	..												
						20	20 Secs.	..	..										
						20	30 Secs.	..	..										
Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE (μ)	Δ Distance (Km.)	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE (μ)	Δ Distance (Km.)	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE (μ)	Δ Distance (Km.)	REMARKS.	
		H. M. S.		AN. AE.					H. M. S.		AN. AE.					H. M. S.		AN. AE.			
1981.							1981.							1981.							
Jan. 1st	P	23 58 49	5	2880	Milne shaw Seismograph (AN).	Jan. 15th	P	2 10 32	7	14400		Jan. 20th	P	16 30 49	8	1000	Milne shaw Seismograph (AN).	
" 2nd	L	0 6 13	9	.. ..	..	Slight shock.	A-N Instt.	L	2 54 2	22	.. ..	..	Omori Seismographs Great distant shock.	L	16 34 48	6	.. ..	..	Slight shock.
	EF.	1 1 13	..	.. ..	..			M	3 1 22	..	1104	..		F	17 20 53	..	.. ..	..
" 4th	P	4 47 59	Uncertain	960	Milne shaw Seismograph (AN).	Jan. 15th	EF	4 21 22		" 20th	P	23 52 7	5	4640	Do.	
	L	4 50 13	5	.. ..	..	Slight shock.		EP	21 9 34	Uncertain	.. ..	4640	Milne shaw Seismograph (AN).	S	23 58 25	8	.. ..	..	Do.
	EF.	5 21 13			L	21 23 24	15	Slight shock.	" 21st	EF	0 38 25		
	P	23 49 34	8	.. ..	960	Milne shaw Seismograph (AN).	" 15th	F	Uncertain	..	.. ..	..		P	13 49 2	5	.. ..	4000	Do.
	L	23 51 59	6	.. ..	..	Slight shock.		P	22 54 24	4	.. ..	5920	Milne shaw Seismograph (AN).	S	13 54 57	7	.. ..	..	Do.
" 5th	EF	0 11 59	..	.. ..	..			S	23 1 56	6	.. ..	..	Slight shock.	L	14 0 32	9	.. ..	..	
" 7th	P	2 2 44	8	.. ..	800	Milne shaw Seismograph (AN).	" 16th	EL	23 10 36	13	.. ..	..		EF	15 35 32	..	.. ..	..
	L	2 4 29	9	.. ..	..	Slight shock.		EF	0 30 36	..	.. ..	..		P	22 30 8	Uncertain	.. ..	1120	Omori Seismograph very slight shock.
	F	Uncertain			P	19 42 39	2	12960	Do.	A-E Instt.	L	22 32 56	7		
" 9th	P	7 27 44	1	.. ..	320	Milne shaw Seismograph (AN).		S	19 55 25	5	.. ..	..	Do.	EF	22 44 56	..	.. ..	..
	L	7 28 33	3	.. ..	..	Slight shock.		L	20 27 40	..	.. ..	..		P	22 30 16	4	.. ..	..	
	F	Uncertain		" 17th	F	21 38 50	Uncertain		A-N Instt.	L	22 33 16	6		
" 12th	P	20 45 49	8	7200	Milne shaw Seismograph (AN).		P	3 12 0	3	12800	Do.	Jan. 27th	P	20 11 16	13	640	Do.	
	S	20 54 16	5	Slight shock.	" 18th	L	3 56 0	10	Do.	A-E Instt.	L	20 12 46	17	Great shock.	
	L	21 8 46	Uncertain	.. ..	..			F	5 6 0	..	.. ..	..		M	20 13 31	..	.. ..	2415	
	EF	22 1 46	..	.. ..	..		A-E Instt.	L	18 14 3	2	.. ..	..	Omori Seismograph.	EF	20 15 6	..	.. ..	..
" 15th	P	2 10 31	8	14400	Omori Seismographs Great distant shock.	Jan. 18th	EF	13 26 3	Slight shock.	Jan. 27th	P	20 11 17	9	Do.	
A-E Instt.	S	2 24 29	Uncertain 24		A-N Instt.	P	13 13 18	1	320	Do.	A-N Instt.	L	20 12 55	20	Do.	
	L	2 56 47	..	.. ..	..			L	18 14 12	2	.. ..	..	Do.	M	20 14 5	..	.. ..	2701	
	M ¹	3 6 0	..	..	1415		Jan. 20th	EF	13 25 12	..	.. ..	..		EF	21 59 5	..	.. ..	..
	M ²	3 9 20	1553			P	9 31 43	3	1440	Milne shaw Seismograph (AN).	Jan. 23th	P	20 36 4	4	800	Milne shaw Seismograph (AN).	
	F	4 21-20	..	.. ..	..			L	9 35 28	6	.. ..	..	Slight shock.	L	20 37 56	6	.. ..	..	Slight shock.
			..	.. ..	..			F	Uncertain	..	.. ..	..		F	21 3 58	..	.. ..	..

TABLE E 3—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. (μ)		REMARKS.
				AN.	AE.						AN.	AE.						AN.	AE.	
1931.		H. M. S.			Δ		1931.	H. M. S.					1931.	H. M. S.						
Jan. 28th	P	21 33 37	Uncertain	.. ..	5920	Omori Seismographs Slight shock.	Feb. 2nd	P	23 1 0	6	.. ..	9440	Milne shaw Seismograph (AN). Slight shock.	Feb. 10th	P	6 40 42	3	.. ..	3600	Milne shaw Seismograph (AN). Moderate shock.
A-E Instt.	S	21 41 9	Do.	.. ..	..			S	23 11 32	8	.. ..	..	Great shock.		S	6 46 3	7	.. ..	..	Great shock.
	L	21 52 26	Do.	.. ..	..			L	23 32 15	20	.. ..	..			L	6 56 10	15	.. ..	..
	F	Uncertain	..	.. ..	..			M ¹	23 37 7	..	75 ..	..			M	6 59 55	..	111 ..	..
Jan. 29th	P	12 14 17	1	.. ..	160	Omori Seismographs very slight shock		M ²	23 42 1	..	115 ..	..			F	Uncertain	..	.. ..	..
A-E Instt.	L	12 14 31	Uncertain	.. ..	..			M ³	23 46 27	..	132 ..	..		" 11th	P	19 46 1	3	.. ..	768	Do.
	F	Uncertain	..	.. ..	..			M ⁴	23 52 12	..	207 ..	..			S	19 47 25	5	.. ..	..	Slight shock.
Jan. 29th	P	17 13 2	Uncertain	.. ..	1120	Do.	" 3rd	F	3 12 39	..	.. ..	..			L	19 49 27	8	.. ..	..
A-E Instt.	L	17 16 2	7	.. ..	..	Slight shock.								M	19 53 57	..	47 ..	..	
	F	Uncertain	..	.. ..	..									F	20 54 27	..	.. ..	..
Jan. 29th	P	17 36 29	Uncertain	.. ..	700	Do.	" 4th	P	6 34 42	2	.. ..	1440	Do.	" 11th	P	23 39 39	4	.. ..	720	Do.
A-E Instt.	L	17 39 9	7	.. ..	..	Slight shock.		S	6 37 19	3	.. ..	..	Slight shock.		S	23 40 50	7	.. ..	..	Slight shock.
	F	Uncertain	..	.. ..	..			L	6 39 12	4	.. ..	..			L	23 41 37	10	.. ..	..
Jan. 29th	P	12 14 20	1	.. ..	160	Do.		F	7 4 19	..	.. ..	..		" 12th	F	0 5 22	..	.. ..	..
A-N Instt.	L	12 14 35	Uncertain	.. ..	..	Very slight shock.	" 4th	P	11 13 18	2	.. ..	1440	Do.	" 12th	P	5 50 15	3	.. ..	3360	Do.
	BF	12 16 35	..	.. ..	..			L	11 16 41	4	.. ..	..	Do.		S	5 55 21	5	.. ..	..	Moderate shock.
Jan. 29th	P	17 12 59	Uncertain	.. ..	1120	Do.		F	11 39 41	..	.. ..	..			M ¹	6 3 15	..	22 ..	..
A-N Instt.	S	17 14 45	4	.. ..	..	Slight shock.	" 7th	P	1 9 27	2	.. ..	480	Do.	" 12th	M ²	6 9 52	..	26 ..	..
	L	17 15 57	8	.. ..	..			S	1 10 27	6	.. ..	..	Do.		F	Uncertain	..	.. ..	..
	F	Uncertain	..	.. ..	..			L	1 10 51	10	.. ..	..		" 13th	P	1 50 44	5	.. ..	3800	Omori Seismograph Great shock.
Jan. 29th	P	17 36 30	Uncertain	.. ..	700	Do.		F	1 33 51	..	.. ..	..		A-N Instt.	S	Uncertain	..	.. ..	..
A-N Instt.	L	17 39 30	8	.. ..	..	Slight shock.								L	2 18 58	12	.. ..	..
	F	Uncertain	..	.. ..	..									F	Uncertain	..	.. ..	..
Jan. 30th	P	3 36 14	2	.. ..	640	Milne shaw Seismograph (AN). Slight shock.	" 7th	P	15 4 0	1	.. ..	400	Omori Seismograph Moderate shock.	Feb. 13th	P	11 34 37	3	.. ..	960	Milne shaw Seismograph (AN). Slight shock.
	S	3 37 28	4	.. ..	..		A-E Instt.	L	15 5 10	3	.. ..	..			S	11 36 28	6	.. ..	..
	L	3 37 57	8	.. ..	..			M	15 5 46	..	.. 138 ..	..			L	11 37 10	8	.. ..	..
	F	4 14 7	..	.. ..	..			F	15 30 10	..	.. ..	..			F	12 4 43	..	.. ..	..
" 31st	P	20 45 58	4	.. ..	1104	Do.	Feb. 7th	P	15 3 58	1	.. ..	400	Do.	" 13th	P	22 20 35	3	.. ..	1520	Do.
	S	20 47 54	6	.. ..	..	Slight shock.	A-N Instt.	S	15 4 34	2	.. ..	..	Do.		S	22 23 8	6	.. ..	..
	L	20 48 58	8	.. ..	..			L	15 5 8	3	.. ..	..			L	22 24 32	8	.. ..	..
	F	21 35 28	..	.. ..	..			M ¹	15 5 18	..	Un- certain	138 ..			F	23 8 37	..	.. ..	..
Feb. 1st	P	5 10 3	4	.. ..	960	Do.		M ²	15 5 41	..	.. 138 ..	..		" 14th	P	14 4 53	4	.. ..	3360	
	S	5 11 50	5	.. ..	..	Slight shock.		F	15 28 12	..	.. ..	..			S	14 9 53	6	.. ..	..	Moderate shock.
	L	5 12 55	6	.. ..	..									L	14 14 0	10	.. ..	..
	F	5 33 19	..	.. ..	..		Feb. 10th	P	1 25 1	6	.. ..	880	Milne shaw Seismograph (AN). Moderate shock.		M	14 17 15	..	36 ..	..
" 2nd	P	3 40 18	2	.. ..	800	Milne shaw Seismograph (AN). Slight shock.		S	1 26 29	8	.. ..	..		" 16th	F	16 12 30	..	.. ..	..
	S	3 41 29	4	.. ..	..			L	1 27 22	15	.. ..	..			P	18 57 41	2	.. ..	5210	Do.
	L	3 42 44	6	.. ..	..			M	1 30 23	..	100 ..	..			S	19 4 44	6	.. ..	..	Slight shock.
	F	4 8 0	..	.. ..	..				3 1 49	..	.. ..	..			L	19 13 24	12	.. ..	..
															F	20 23 1	..	.. ..	..

TABLE E 3—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE.		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE.		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE.		REMARKS.	
				AN. AE.	Distance (Km.)						AN. AE.	Distance (Km.)						AN. AE.	Distance (Km.)		
1931.		H. M. S.					1931.	H. M. S.						1931.	H. M. S.						
Feb. 19th	P	17 47 0	2	..	5760	Slight shock.	Mar. 7th	eP	0 84 41	2	..	4416	Milne shaw Seismograph (AN). Slight shock.	Mar. 17th	P	15 59 57	Un- certain	..	880	Milne shaw Seismograph (AN). Slight shock.	
	S	17 54 15	6	..	..	Do.		L	0 47 43	6	..	..	Do.		S	16 1 30	2	..	..	Do.
	L	18 4 22	8	..	..			F	1 48 43	..	..	..			L	16 2 12	4	..	..
	M ¹	18 6 52	..	..	..										F	16 24 48	..	..	..
	M ²	18 10 52	..	..	..													
	F	20 34 58	..	..	..													
" 20th	P	5 41 3	2	..	4256	Do.	" 7th	eP	10 12 3	2	..	8480	Do.	" 18th	P	8 21 20	2	..	12800	Do.	
	S	5 47 3	6	..	..	Moderate shock.		S	10 22 3	3	..	..	Do.		S	8 34 50	4	..	..	Moderate shock.
	F	7 51 3	8	..	..			L	10 49 53	5	..	..			L	9 5 8	7	..	..
								F	Uncertain	..	..	..			F	12 9 20	..	..	..
" 24th	P	17 40 9	1	..	2380	Do.	" 8th	P	2 0 10	3	..	6400	Omori Seis- mograph Moderate shock.	" 18th	P	20 21 26	3	..	2400	Do.	
	S	17 47 59	3	..	..	Slight shock.		S	2 8 9	7	..	..			S	20 25 26	6	..	..	Do.
	L	18 0 19	8	..	..		A-N Instt.	L	2 20 24	10	..	..			L	20 27 50	10	..	..
	F	18 35 19	..	..	..			M	2 24 9	..	138	..			M	20 28 35	..	45	..	
" 27th	P	9 42 51	Un- certain	..	3040	Omori Seis- mograph slight shock.		F	3 46 19	..	..	..			F	Uncertain	..	..	..
A-E Instt.	L	9 51 26	6	..	..		Mar. 9th	P	3 57 37	6	..	5600	Milne shaw Seismograph (AN). Great shock.	" 18th	P	22 10 40	2	..	640	Milne shaw Seismograph (AN). Slight shock.
	F	10 27 56	..	..	..			S	4 4 51	12	..	..			S	22 11 46	4	..	..
Feb. 27th	P	9 42 53	Un- certain	..	3040	Do.		L	4 15 13	22	..	..			L	22 12 42	6	..	..
A-N Instt.	S	9 47 37	4	..	..	Do.		M	4 20 13	..	26	..			M	22 13 42	..	23	..	
	L	9 51 43	8	..	..			F	7 24 51	..	..	..			F	23 1 48	..	..	..
	F	10 26 19	..	..	..													
Feb. 28th	P	22 23 49	2	..	1200	Milne shaw Seismograph (AN). Slight shock.	" 11th	eP	6 8 47	Un- certain	..	3680	Milne shaw Seismograph (AN). Slight shock.	" 19th	P	6 31 9	4	..	3680	Do.	
	S	22 30 59	4	..	..			S	6 14 27	4	..	..			S	6 36 24	7	..	..	Moderate shock.
	L	22 32 1	8	..	..			L	6 19 7	9	..	..			L	6 40 29	10	..	..
	M	22 32 4	..	9	..			F	6 56 19	..	..	..			M ¹	6 44 29	..	40	..	
	F	22 56 4	..	..	..		" 11th	P	12 35 7	3	..	4960	Do.		M ²	6 47 59	..	71	..	
Mar. 2nd	P	2 31 41	Un- certain	..	3620	Omori Seis- mograph slight shock.		S	12 41 55	6	..	..		" 23rd	eP	15 24 39	Un- certain	..	1280	Do.
A-E Instt.	L	2 41 45	10	..	..			L	12 56 22	10	..	..			S	15 27 0	2	..	..	Slight Shock.
	F	3 42 15	..	..	..			M	13 2 52	..	17	..			L	15 27 54	5	..	..
								F	14 32 52	..	..	..			F	15 53 57	..	..	..
Mar. 2nd	P	2 31 36	Un- certain	..	8520	Do.	" 12th	eP	10 49 20	2	..	5600	Do.	" 28th	P	12 47 23	3	..	..	Do.
A-N Instt.	L	2 42 3	8	..	..	Do.		S	10 56 34	5	..	..			S	12 55 16	6	..	..	Moderate shock.
	F	3 42 3	..	..	..			L	11 6 38	10	..	..			L	13 7 6	12	..	..
								F	12 10 36	..	..	..			F	Uncertain	..	..	..
Mar. 5th	P	17 30 35	2	..	2720	Milne shaw Seismograph (AN). Slight shock.	" 15th	P	15 17 7	Un- certain	..	960	Do.	April 2nd	eP	0 30 52	3	..	1120	Do.	
	S	17 34 45	4	..	..			S	15 18 43	3	..	..			S	0 32 51	5	..	..	Slight shock.
	L	17 38 5	7	..	..			L	15 19 31	7	..	..			L	0 33 43	10	..	..
		17 43 35	..	10	..			M ¹	15 22 1	..	15	..			M	0 36 36	..	14	..		
	F	18 54 11	..	..	..			F	15 59 46	..	..	..			F	1 7 41	..	..	..

TABLE E 3—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE (μ)		REMARKS.
				AN.	AE.						AN.	AE.						AN.	AE.	
1931.		H. M. S.			Distance (Km.)		1931.	H. M. S.			Distance (Km.)		1931.	H. M. S.					Distance (Km.)	
April 6th	P	7 0 1	3	.. ..	7840	Slight shock.	April 20th	eP	17 41 37	Un- certain	.. ..	168	Milne shaw seismograph (AN).	May 3rd	P	20 14 48	2	.. ..	800	Milne shaw seismograph (AN). Slight shock.
	S	7 9 11	7	.. ..	..	Do.		L	17 42 32	4	.. ..	..	Slight shock.		S	20 16 13	3	.. ..	..
	L	7 26 16	10	.. ..	..			F	Uncertain	..	.. ..	..			L	20 16 38	5	.. ..	..
	F	9 49 14	..	.. ..	..					..	.. ..	..			F	Uncertain	..	.. ..	..
" 7th	P	0 19 16	3	.. ..	480	Milne shaw seismograph (AN).	" 22nd	P	0 26 49	3	.. ..	5120	Do.	" 4th	P	2 51 18	2	.. ..	992	Do.
	S	0 20 6	5	.. ..	..	Moderate shock.		S	0 33 42	5	.. ..	..	Do.		S	2 53 5	3	.. ..	..	Do.
	L	0 20 39	7	.. ..	..			L	0 42 49	12	.. ..	..			L	2 55 30	5	.. ..	..
	M ¹	0 21 24	..	22	..			F	Uncertain	..	.. ..	..			eF	3 13 33	..	.. ..	..
	M ²	0 23 39	..	20	..					..	.. ..	..					..	.. ..	..
	M ³	0 26 9	..	21	..		" 23rd	eP	4 7 51	2	.. ..	560	Do.	" 12th	P	1 47 9	3	.. ..	6460	Do.
	M ⁴	0 27 39	..	22	..			S	4 8 58	3	.. ..	..	Do.		S	1 55 16	6	.. ..	..	Do.
	F	1 0 39	..	.. ..	..			L	4 9 21	6	.. ..	..			L	2 7 27	8	.. ..	..
								F	4 28 26	..	.. ..	..			F	Uncertain	..	.. ..	..
" 9th	P	23 10 25	3	.. ..	5440	Do.	" 23rd	eP	14 31 39	2	.. ..	560	Do.	" 13th	eP	23 15 24	Un- certain	.. ..	3680	Do.
	S	23 17 25	4	.. ..	..	Slight shock.		S	14 32 29	3	.. ..	..	Do.		S	23 20 54	4	.. ..	..	Do.
	L	23 27 10	8	.. ..	..			L	14 32 54	4	.. ..	..			L	23 25 22	5	.. ..	..
" 10th	F	0 21 44	..	.. ..	..			F	14 47 21	..	.. ..	..		" 14th	eF	0 39 23	..	.. ..	..
" 11th	P	2 5 20	Un- certain	.. ..	880	Do.	" 24th	eP	12 10 1	Un- certain	.. ..	448	Do.	" 16th	eP	9 52 9	Un- certain	.. ..	880	Do.
	S	2 6 39	"	.. ..	..	Do.		L	12 11 1	"	.. ..	..	Do.		S	9 53 45	3	.. ..	..
	L	2 7 44	"	.. ..	..			F	12 20 16	..	.. ..	..			L	Uncertain	..	.. ..	..
	M ¹	2 8 21	..	.. ..	..		" 24th	P	17 30 36	5	.. ..	7200	Do.		F	10 10 18	..	.. ..	..
	M ²	2 9 36	..	.. ..	..			S	17 39 29	7	.. ..	..	Moderate shock.	" 17th	P	0 37 39	3	.. ..	880	Do.
	F	2 39 38	..	.. ..	..			L	17 53 6	12	.. ..	..			S	0 50 9	5	.. ..	..	Do.
" 12th	P	2 12 1	2	.. ..	11520	Do.	" 27th	M	17 54 6	..	19	..		" 17th	L	0 59 44	7	.. ..	..
	S	2 24 9	5	.. ..	..	Do.		F	20 59 59	..	.. ..	..			eF	1 15 36	..	.. ..	..
	L	2 51 31	8	.. ..	..					..	.. ..	..					..	.. ..	..
	F	Uncertain	..	.. ..	..			P	16 59 1	2	.. ..	4160	Do.	" 20th	P	2 35 36	5	.. ..	9600	Do.
" 16th	P	23 33 33	3	.. ..	720	Do.	" 17th	S	17 4 58	5	.. ..	..	Do.	" 17th	P	9 39 58	2	.. ..	2240	Do.
	S	23 34 38	5	.. ..	..	Do.		L	17 11 13	10	.. ..	..			S	9 43 48	3	.. ..	..	Do.
	L	23 35 23	10	.. ..	..			M ¹	17 15 6	..	36	..			L	9 46 8	6	.. ..	..
	F	Uncertain	..	.. ..	..			M ²	17 21 51	..	38	..			F	Uncertain	..	.. ..	..
								F	18 43 6	..	.. ..	..		" 20th	S	2 45 59	7	.. ..	..	Moderate shock.
" 19th	eP	2 49 31	2	.. ..	1760	Do.	May 2nd	eP	17 49 0	3	.. ..	1120	Do.	" 20th	L	3 10 26	15	.. ..	..
	S	2 52 31	3	.. ..	..	Do.		S	17 50 52	4	.. ..	..	Slight shock.		M	3 19 21	..	64	..	
	L	2 53 55	14	.. ..	..			L	17 52 40	6	.. ..	..			F	Uncertain	..	.. ..	..
	M	2 55 30	..	10	..			F	Uncertain	..	.. ..	..					..	.. ..	..
	F	3 44 0	..	.. ..	..					..	.. ..	..					..	.. ..	..

TABLE E 3—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. Δ		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. Δ		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. Δ		REMARKS.		
				AN. AE.	Distance (K.m.)						AN. AE.	Distance (K.m.)						AN. AE.	Distance (K.m.)			
1931.		H. M. S.					1931.		H. M. S.							H. M. S.						
May 20th	P	5 11 38	8	1104	Milne shaw seismograph (AN). Moderate shock.	June 4th	P	2 12 38	8	880	Slight shock.	June 23rd	P	6 23 8	3	6400	Slight shock.		
	S	5 13 39	4			S	2 14 10	5	Do.		S	6 30 45	5	Do.		
	L	5 14 13	6			L	Uncertain		L	6 43 11	9				
	M	5 15 43	..	20	..			F	2 20 18		F	7 7 7				
	F	Uncertain																	
" 23rd	P	21 18 23	2	320	Do.	" 7th	P	2 5 59	2	800	Do.	" 24th	P	23 57 50	4	1600	Do.		
	S	21 19 8	8	.. ..	..	Slight shock.	S	2 7 16	4	.. ..	..	Do.	" 25th	S	0 0 35	6	.. ..	..	Do.		
	L	21 19 16	4			L	Uncertain		L	0 1 44	8				
	F	Uncertain			F	"		F	0 30 24				
" 24th	P	0 22 28	3	2400	Do.	" 9th	P	12 43 34	3	1120	Do.	" 25th	eP	0 44 0	4	1600	Do.		
	S	0 26 14	5	.. ..	..	Do.	S	12 45 40	5	.. ..	..	Do.	L	0 47 54	8	.. ..	..	Do.			
	L	0 29 6	7	.. ..	..		L	12 46 23	8	.. ..	..		F	1 1 48	..	.. ..	..		
	F	Uncertain	..	.. ..	..		F	13 9 2	..	.. ..	..								
" 27th	P	0 47 19	2	560	Do.	" 10th	P	12 14 10	3	1920	Do.	" 28th	P	12 41 38	2	400	Do.		
	S	0 48 19	3	.. ..	..	Do.	S	12 17 28	5	.. ..	..	Do.	S	12 42 18	Un- certain	.. ..	..	Do.			
	L	0 48 42	6	.. ..	..		L	12 19 18	8	.. ..	..		L	12 42 40	7	.. ..	..			
	F	Uncertain	..	.. ..	..		F	Uncertain	..	.. ..	..		eF	12 48 10	..	.. ..	..		
June 1st	P	0 21 43	3	1280	Do.	" 17th	eP	7 22 46	Slight shock. Tremors only.	July 1st	eP	7 53 8	Un- certain	1048	Slight shock.		
	S	0 24 50	4	.. ..	..	Do.	" 17th	P	12 20 31	Un- certain	.. ..	2560	Do.	S	7 54 58	3	.. ..	..	Do.		
	L	0 25 50	7	.. ..	..		S	12 24 29	5	.. ..	..		L	7 55 48	4	.. ..	..			
	F	Uncertain	..	.. ..	..		L	12 27 29	6	.. ..	..		F	Uncertain	..	.. ..	..		
" 2nd	P	2 48 6	3	.. ..	2400	Do.	F	12 47 1	..	.. ..	..		" 12th	P	16 51 32	5	.. ..	3744	Do.		
	S	2 52 2	6	.. ..	..	Do.	" 17th	P	17 14 12	Un- certain	.. ..	2560	Do.	S	16 56 47	7	.. ..	..	Moderate shock.		
	eF	3 18 12	..	.. ..	..		L	17 21 6	7	.. ..	..	Do.	L	17 1 44	9	.. ..	..			
" 2nd	P	3 30 3	3	.. ..	2400	Do.	F	Uncertain	..	.. ..	..		" 15th	eP	14 59 12	..	.. ..	..	Moderate shock. Tre- mors only.		
	S	3 33 56	6	Do.	" 18th	P	13 0 40	4	800	Do.	" 15th	P	16 44 5	4	4416	Milne shaw seismograph (AN). Moderate shock.		
	eF	3 54 26	..	.. ..	..		S	13 2 11	6	.. ..	..	Moderate shock.	S	16 50 15	6	.. ..	..			
" 2nd	P	17 35 16	4	.. ..	2080	Do.	L	13 2 41	8	.. ..	..		L	16 56 50	8	.. ..	..			
	S	17 48 46	5	.. ..	..	Do.	M	13 4 58	..	50	..		F	17 27 10	..	.. ..	..		
	L	17 50 46	certain	.. ..	..		F	13 35 18	..	.. ..	..		" 18th	P	11 34 27	4	.. ..	8640	Do.		
	F	18 3 16	..	.. ..	..		" 18th	eP	13 49 37	..	.. ..	..	Milne shaw seismograph (AN). Tre- mors only.	S	11 44 15	6	.. ..	..	Slight shock.		
" 4th	P	9 58 49	3	5600	Milne shaw seismograph (AN). Slight shock.	" 20th	P	2 13 45	2	800	Milne shaw seismograph (AN). Slight shock.	L	12 4 37	10				
	S	10 5 56	5	.. ..	..		S	2 15 11	4	.. ..	..		eF	12 27 21	..	.. ..	..		
	L	10 16 29	8	.. ..	..		L	2 15 51	7	.. ..	..		" 21st	P	3 53 27	3	.. ..	8000	Do.		
	F	Uncertain	..	.. ..	..		F	2 27 31	..	.. ..	..		S	4 2 46	6	.. ..	..	Do.			
													L	4 20 40	8	.. ..	..			
													eF	4 36 10	..	.. ..	..		

TABLE E 3—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. (μ)		Distance Δ (km.).	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. (μ)		Distance Δ (km.).	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE. (μ)		Distance Δ (km.).	REMARKS.			
				AN. AE.								AN. AE.								AN. AE.						
1931.		H. M. S.						1931.		H. M. S.						1931.		H. M. S.								
July 21st	P	20 9 46	Uncertain	.. ..	1440	Slight shock	Aug. 2nd	P	18 23 35	3	.. ..	1216	Slight shock.	Aug. 11th	P	17 30 41	3	.. ..	..	.. ..	..	.. ..	..	Slight shock.
	S	20 12 4	3	.. ..	..	Do.		S	18 25 39	5	.. ..	..	Do.		S	17 37 28	4	.. ..	..	.. ..	..	.. ..	..
	L	20 13 16	6	.. ..	..			L	18 26 49	7	.. ..	..			L	17 45 6	7	.. ..	..	.. ..	..	.. ..	..
	F	Uncertain	..	.. ..	..			F	18 54 19	..	.. ..	..			eF	18 8 8	..	.. ..	..	.. ..	..	.. ..	..
" 23rd	P	14 32 18	2	.. ..	3200	Do.	" 2nd	P	22 4 15	1	.. ..	902	Do.	" 12th	P	6 28 6	Uncertain	.. ..	..	.. ..	..	.. ..	560	Do.
	S	14 37 25	4	.. ..	..	Do.		S	22 6 0	2	.. ..	..	Do.		S	6 29 6	Do.	.. ..	..	.. ..	..	.. ..	..	Do.
	L	14 41 3	6	.. ..	..			L	22 0 45	3	.. ..	..			L	6 29 29	4	.. ..	..	.. ..	..	.. ..	..
	eF	15 1 53	..	.. ..	..			eF	22 19 51	..	.. ..	..			F	6 34 29	..	.. ..	..	.. ..	..	.. ..	..
" 25th	P	12 34 4	4	.. ..	640	Do.	" 4th	P	5 43 52	4	.. ..	560	Do.	" 13th	P	10 34 46	Uncertain	.. ..	..	.. ..	..	.. ..	640	Do.
	S	12 35 22	5	.. ..	..	Moderate shock.		S	5 44 52	6	.. ..	..	Do.		S	10 36 0	Do.	.. ..	..	.. ..	..	.. ..	..	Do.
	L	12 35 58	7	.. ..	..			L	5 45 15	9	.. ..	..			L	10 36 16	Do.	.. ..	..	.. ..	..	.. ..	..
	F	13 2 18	..	.. ..	..			F	6 4 37	..	.. ..	..			F	Uncertain	..	.. ..	..	.. ..	..	.. ..	..
" 25th	P	15 32 30	Uncertain	.. ..	640	Moderate shock.	" 7th	P	2 21 43	5	.. ..	6400	Do.	" 15th	P	4 4 12	2	.. ..	..	.. ..	..	.. ..	1760	Milne shaw seismograph (AN) slight shock.
	S	15 33 48	4	.. ..	..	Slight shock.		S	2 29 35	8	.. ..	..	Moderate shock.		S	4 6 19	3	.. ..	..	.. ..	..	.. ..	..
	L	15 34 24	6	.. ..	..			L	2 41 20	19	.. ..	..			L	4 8 57	4	.. ..	..	.. ..	..	.. ..	..
	F	Uncertain	..	.. ..	..			F	2 44 25	..	36	..	..		eF	4 24 49	..	.. ..	..	.. ..	..	.. ..	..
" 27th	P	6 3 8	3	.. ..	1440	Do.	" 8th	P	1 15 36	3	.. ..	2400	Milne shaw seismograph (A-N).	" 16th	P	2 5 42	3	.. ..	..	.. ..	..	.. ..	1920	Do.
	S	6 5 26	5	.. ..	..	Do.		S	1 19 36	5	.. ..	..	Slight shock.		S	2 8 57	4	.. ..	..	.. ..	..	.. ..	..	Do.
	L	6 6 38	7	.. ..	..			L	1 22 6	7	.. ..	..			L	2 10 42	5	.. ..	..	.. ..	..	.. ..	..
	eF	6 17 18	..	.. ..	..			F	Uncertain	..	.. ..	..			F	Uncertain	..	.. ..	..	.. ..	..	.. ..	..
" 28th	P	17 38 5	..	.. ..	..	Milne shaw seismograph (AN) tremors only.	" 8th	P	4 9 14	3	.. ..	2720	Do.	" 17th	P	17 27 44	3	.. ..	..	.. ..	..	.. ..	1984	Do.
" 29th	eP	11 43 58	3	.. ..	1120	Do.		S	4 13 29	4	.. ..	..			S	17 31 7	4	.. ..	..	.. ..	..	.. ..	..	Do.
	L	11 46 44	6	.. ..	..	Slight shock.		L	4 16 51	6	.. ..	..			L	17 32 37	5	.. ..	..	.. ..	..	.. ..	..
	F	Uncertain	..	.. ..	..			F	Uncertain	..	.. ..	..			F	Uncertain	..	.. ..	..	.. ..	..	.. ..	..
July 29th	P	17 13 24	2	.. ..	880	Do.	" 10th	EP	9 21 52	2	.. ..	1760	Do.	" 18th	P	14 27 17	5	.. ..	..	.. ..	..	.. ..	2880	Do.
	S	17 14 54	3	.. ..	..			S	9 24 52	3	.. ..	..			S	14 31 56	7	.. ..	..	.. ..	..	.. ..	..	Great shock.
	L	17 15 36	4	.. ..	..			L	9 26 25	5	.. ..	..			L	14 35 25	9	.. ..	..	.. ..	..	.. ..	..
	F	Uncertain	..	.. ..	..			F	Uncertain	..	.. ..	..			M	14 37 19	..	189	..	.. ..	..	.. ..	..
Aug. 2nd	P	15 47 50	3	.. ..	1216	Do.	" 10th	P	21 23 33	3	.. ..	1760	Great shock.	" 24th	P	21 39 49	3	.. ..	..	.. ..	..	.. ..	1984	Do.
	S	15 49 50	4	.. ..	..			S	Uncertain	..	.. ..	..			S	21 43 12	5	.. ..	..	.. ..	..	.. ..	..	Do.
	L	15 50 42	6	.. ..	..			L	21 28 3	6	.. ..	..			L	21 45 19	8	.. ..	..	.. ..	..	.. ..	..
	eF	15 57 52	..	.. ..	..			M	Uncertain	..	.. ..	..			M	21 47 31	..	73	..	.. ..	..	.. ..	..
" 2nd	P	18 11 40	3	.. ..	1280	Do.	" 11th	P	7 9 4	3	.. ..	2880	Do.	" 24th	P	23 34 59	3	.. ..	..	.. ..	..	.. ..	2080	Do.
	S	18 13 55	4	.. ..	..	Do.		S	7 13 24	4	.. ..	..	Slight shock.		S	23 38 22	4	.. ..	..	.. ..	..	.. ..	..	Moderate shock.
	L	18 14 56	7	.. ..	..			L	7 17 9	5	.. ..	..			L	23 40 36	6	.. ..	..	.. ..	..	.. ..	..
	eF	18 22 39			F	Uncertain	4960	Do.	" 25th	F	0 21 29	

TABLE E 3—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE.		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE.		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE.		REMARKS.		
				(μ)	Δ						(μ)	Δ						(μ)	Δ			
		H. M. S.		AN.	Distance (K.m.)			H. M. S.			AN.	AE.	Distance (K.m.)			H. M. S.			AN.	AE.	Distance (K.m.)	
1931.							1931.							1931.								
Aug. 25th	P	0 36 12	3	.. ..	1920	Milne shaw seismograph (AN) Mod- erate shock. Slight shock.	Aug. 20th	P	21 31 41	3	.. ..	1600	Milne shaw seismograph (AN) Mod- erate shock. Slight shock.	Aug. 31st	eP	5 24 13	3	.. ..	1984	Milne shaw seismograph (AN) slight shock.		
	S	0 39 35	5	.. ..	..		S	21 34 26	4	.. ..	..		S	5 27 46	5	.. ..	..			
	L	0 41 42	6	.. ..	..		L	21 35 49	7	.. ..	..		L	5 29 49	7	.. ..	..			
	eF	0 56 49	..	.. ..	..		eF	22 0 29	..	.. ..	..		F	Uncertain	..	.. ..	..		
" 25th	P	3 10 58	3	.. ..	2080	Do.	" 20th	P	1 56 57	3	.. ..	1280	Do.	Sept. 2nd	P	6 27 4	3	.. ..	800	Do.		
	S	3 14 28	5	.. ..	..	Slight shock.	S	1 50 15	4	.. ..	..	Do.	S	6 28 27	4	.. ..	..	Do.				
	L	3 16 35	7	.. ..	..		L	2 0 35	6	.. ..	..		L	6 29 6	6	.. ..	..			
	eF	3 46 7	..	.. ..	..		F	Uncertain	..	.. ..	..		F	Uncertain	..	.. ..	..		
" 25th	P	15 50 4	3	.. ..	2080	Do.	" 20th	P	5 58 23	2	.. ..	320	Do.	" 3rd	P	14 54 29	3	.. ..	2240	Do.		
	S	15 53 27	5	.. ..	..	Do.	S	5 59 5	3	.. ..	..	Do.	S	14 58 11	5	.. ..	..	Do.				
	L	15 55 27	7	.. ..	..		L	Uncertain	..	.. ..	..		L	15 0 41	7	.. ..	..			
	eF	16 19 49	..	.. ..	..		F	Do.	..	.. ..	..		F	Uncertain	..	.. ..	..		
" 25th	P	18 57 28	3	.. ..	2080	Do.	" 20th	P	13 31 24	3	.. ..	1920	Do.	" 3rd	P	17 15 31	3	.. ..	2240	Do.		
	S	19 0 58	5	.. ..	..	Do.	S	13 35 6	5	.. ..	..	Do.	S	17 19 11	4	.. ..	..	Do.				
	L	19 3 13	7	.. ..	..		L	13 36 59	7	.. ..	..		L	17 21 35	5	.. ..	..			
	eF	19 15 17	..	.. ..	..		eF	13 56 39	..	.. ..	..		eF	17 51 49	..	.. ..	..		
" 26th	P	19 36 0	2	.. ..	2400	Do.	" 29th	P	19 59 42	3	.. ..	1920	Do.	" 3rd	P	17 55 45	3	.. ..	2320	Do.		
	S	19 40 0	3	.. ..	..	Do.	S	20 2 48	4	.. ..	..	Do.	S	17 59 27	5	.. ..	..	Do.				
	L	19 42 37	4	.. ..	..		L	20 4 54	6	.. ..	..		L	18 1 53	7	.. ..	..			
	eF	20 4 17	..	.. ..	..		F	Uncertain	..	.. ..	..		F	Uncertain	..	.. ..	..		
" 27th	P	15 31 38	5	.. ..	2080	Do.	" 29th	P	20 42 49	3	.. ..	1280	Do.	" 5th	P	8 30 55	3	.. ..	1920	Do.		
	S	15 35 8	8	.. ..	..	Great shock.	S	20 44 59	5	.. ..	..	Do.	S	8 34 18	4	.. ..	..	Do.				
	L	Uncertain	..	.. ..	..		L	Uncertain	..	.. ..	..		L	8 35 49	6	.. ..	..			
	M	15 37 49	..	152	..		F	Do.	..	.. ..	..		eF	8 51 59	..	.. ..	..		
	F	Uncertain	..	.. ..	..		" 30th	P	5 52 1	3	.. ..	1984	Do.	" 6th	P	5 40 16	3	.. ..	1280	Do.		
" 28th	P	0 47 33	3	.. ..	2080	Do.	S	5 55 39	4	.. ..	..	Do.	S	5 42 16	5	.. ..	..	Do.				
	S	0 50 41	5	.. ..	..	Moderate shock.	L	5 57 23	6	.. ..	..		L	5 43 18	7	.. ..	..			
	L	0 53 3	8	.. ..	..		F	Uncertain	..	.. ..	..		F	Uncertain	..	.. ..	..		
	M	0 54 41	..	138	..		" 30th	P	9 26 39	3	.. ..	1984	Do.	" 6th	P	14 40 51	3	.. ..	1280	Do.		
	F	1 24 51	..	.. ..	..		S	9 30 19	4	.. ..	..	Do.	S	14 42 54	5	.. ..	..	Do.				
" 28th	P	3 25 53	4	.. ..	1600	Do.	L	9 31 54	6	.. ..	..		L	14 43 46	7	.. ..	..			
	S	3 28 36	5	.. ..	..	Slight shock.	F	Uncertain	..	.. ..	..		F	Uncertain	..	.. ..	..		
	L	3 29 55	9	.. ..	..		" 30th	P	22 7 31	3	.. ..	1984	Do.	" 7th	P	21 23 50	3	.. ..	1120	Do.		
	eF	3 44 49	..	.. ..	..		S	22 11 34	4	.. ..	..	Do.	S	21 25 50	6	.. ..	..	Do.				
" 28th	P	19 45 39	3	.. ..	2400	Do.	L	22 13 19	6	.. ..	..		L	21 26 35	8	.. ..	..			
	S	19 49 36	5	.. ..	..	Moderate shock.	F	Uncertain	..	.. ..	..		F	Uncertain	..	.. ..	..		
	L	19 51 47	9	.. ..	..		" 31st	P	0 38 57	3	.. ..	2240	Do.	" 8th	P	16 20 12	3	.. ..	1120	Do.		
	M	19 52 17	..	45	..		S	0 42 51	4	.. ..	..		S	16 22 20	4	.. ..	..	Do.				
	F	Uncertain	..	.. ..	..		L	0 44 38	6	.. ..	..		L	16 22 57	6	.. ..	..	Do.				
							F	..	..	.. ..	..		eF	16 42 49	..	.. ..	..		

TABLE E 3—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)		Δ Distance (Km.).	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)		Δ Distance (Km.).	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)		Δ Distance (Km.).	REMARKS.		
				AN.	AE.							AN.	AE.							AN.	AE.				
1931.		H. M. S.																							
Sept. 8th	P	19 17 43	3	..	..	4920	Milne shaw seismograph (AN) slight shock.	Sept. 16th	P	12 51 33	4	..	..	5120	Milne shaw seismograph (AN) slight shock.	Sept. 25th	P	6 6 3	7	..	..	3520	Milne shaw Seismograph (AN).	
	S	19 24 32	5	..	..	..			S	12 58 13	6	..	..	..			S	6 11 21	11	..	..	..	..	Great shock.
	L	19 33 4	9	..	..	..			L	13 6 27	9	..	..	..			L	6 16 3	20	..	..	..	..
	F	20 4 59	..	..	..	..			eF	13 33 19	..	..	..	..			M'	6 18 3	..	698	..	..	..
" 9th	P	20 47 32	4	2880	Do.	" 17th	P	2 27 31	3	1440	Do.	" 25th	M'	6 21 13	..	702	
	S	20 51 59	5	..	..	..	Moderate shock.		S	2 30 1	5	..	..	..	Do.	F	9 46 13	..	..	..	..	..	..
	L	20 55 25	8	..	..	..			L	2 31 7	7	..	..	..								
	M	20 58 15	..	30	..	..			F	2 50 59	..	..	..	..			P	21 38 9	3	..	..	2240	Do.	
	F	22 34 9	..	..	..	..											S	21 42 58	5	..	..	..	Slight shock.	
" 10th	P	22 33 18	4	..	..	1760	Do.	" 18th	P	19 5 49	4	..	..	1280	Do.	" 25th	L	21 45 17	7	..	..	..	..
	S	22 36 18	5	..	..	..	slight shock.		S	19 8 10	5	..	..	..	Do.	F	Uncertain	..	..	..	..	..	..
	L	22 37 53	6	..	..	..			L	19 9 12	7	..	..	..								
	F	22 50 7	..	..	..	..			F	19 24 12	..	..	..	..			P	12 36 0	3	..	..	1440	Do.	
" 10th	P	20 46 25	3	..	..	1760	Do.	" 20th	P	15 32 14	3	..	..	1760	Do.	" 26th	S	12 38 28	5	..	..	..	..	Do.
	S	20 49 25	5	..	..	..			S	15 35 22	4	..	..	..	Do.	L	12 39 24	7	..	..	..	..
	L	20 50 55	6	..	..	..			L	15 36 48	6	..	..	..			F	Uncertain	..	..	..	..	..
	eF	20 57 59	..	..	..	..			F	Uncertain	..	..	..	..			" 20th	P	20 22 37	5	..	..	14720	Do.
" 11th	P	10 29 21	3	..	..	1760	Do.	" 20th	P	23 55 3	4	..	..	1120	Do.	" 20th	S	20 36 15	8	..	..	..	..	Do.
	S	16 32 28	4	..	..	..	Do.		S	23 57 3	5	..	..	..	Do.	L	21 16 10	15	..	..	..	..
	L	16 33 51	6	..	..	..			L	23 57 43	7	..	..	..			F	22 22 51	..	..	..	..	..
	eF	16 49 19	..	..	..	..			F	0 24 2	..	..	..	..			" 28th	P	17 24 27	8	..	..	3200	Do.
" 12th	P	12 36 11	3	..	..	1920	Do.	" 21st	P	2 28 39	4	..	..	4800	Do.	" 28th	S	17 29 27	5	..	..	..	..	Do.
	S	12 39 26	4	..	..	..	Do.		S	2 35 11	5	..	..	..	Moderate shock.	" 29th	L	17 32 51	7	..	..	..	..
	L	12 41 19	5	..	..	..			L	2 42 56	6	..	..	..			F	18 12 55	..	..	..	..	..
	F	Uncertain	..	..	..	..			M	2 47 17	..	100	..	..			P	5 22 33	3	..	..	4000	Do.	
" 12th	P	17 39 20	2	..	..	1120	Do.	" 21st	P	10 32 25	5	..	..	2720	Do.	" 29th	S	5 28 35	5	..	..	..	..	Do.
	S	17 41 28	3	..	..	..	Do.		S	10 36 40	7	..	..	..	Great shock.	" 29th	L	5 35 0	7	..	..	..	..	Do.
	L	17 42 5	5	..	..	..			L	10 39 31	15	..	..	..			F	6 8 6	..	..	..	..	..
	F	17 53 7	..	..	..	..			M	10 42 37	..	129	..	..			F	Uncertain	..	..	..	..	..
" 14th	P	3 38 33	3	..	..	1760	Do.	" 21st	P	13 50 52	3	..	..	6240	Do.	" 30th	P	11 19 20	3	..	..	3240	Do.	
	S	3 41 33	4	..	..	..	Do.		S	13 58 37	5	..	..	..	Slight shock.	" 30th	S	11 28 0	5	..	..	..	..	Do.
	L	3 42 33	6	..	..	..			L	14 10 50	7	..	..	..			L	11 25 8	7	..	..	..	..
	F	4 0 1	..	..	..	..			F	Uncertain	..	..	..	..			F	Uncertain	..	..	..	..	..
" 16th	P	10 46 24	3	..	..	1280	Do.	" 23rd	P	2 18 45	3	..	..	1600	Do.	" 30th	P	18 8 26	3	..	..	1280	Do.	
	S	10 48 32	4	..	..	..	Do.		S	2 16 29	4	..	..	..	Do.	" 30th	S	18 5 46	5	..	..	..	..	Do.
	L	10 49 32	5	..	..	..			L	2 17 45	7	..	..	..			L	18 6 16	7	..	..	..	..
	F	10 59 47	..	..	..	..			F	Uncertain	..	..	..	..			F	Uncertain	..	..	..	..	..

TABLE E 3—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE (μ)		REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLITUDE (μ)		REMARKS.	
				AN.	AE.						AN.	AE.						AN.	AE.		AN.	AE.
1931.		H. M. S.			Δ		1931.	H. M. S.						1931.	H. M. S.						
Oct. 2nd	P	14 19 38	3	..	1760	Milne shaw seismograph (AN) Slight shock.	Oct. 16th	P	13 32 2	3	..	800	Milne shaw seismograph (AN) slight shock.	Oct. 20th	P	7 27 8	2	..	1600	Milne shaw seismograph (AN) slight shock.	
	S	14 22 48	5	..	..			S	13 33 25	5	..	..			S	7 29 48	4	..	..
	L	14 24 0	7	..	..			L	13 34 2	9	..	..			L	7 30 58	7	..	..
	F	14 55 1	..	..	..			F	13 57 32	..	..	3520	Do.		F	Uncertain	..	..	..
" 3rd	P	10 42 49	2	..	1280	Do.	" 18th	eP	4 47 57	2	..	..	Do.	Nov. 1st	P	19 1 8	2	..	4000	Do.
	S	10 45 4	3	..	..	Moderate shock.		S	4 53 12	4	..	..			S	19 6 40	3	..	..	Do.
	L	10 45 59	5	..	..			L	4 58 9	7	..	..			L	19 12 40	5	..	..
	M	10 48 29	..	36	..			F	Uncertain	..	..	..			M	19 19 10	..	..	..
	F	Uncertain	..	..	..			" 18th	eP	7 8 37	Un- certain	1120	Do.		F	20 18 40	..	..	..
" 3rd	P	19 25 40	7	..	7840	Do.		S	7 10 37	6	..	..	Do.	" 2nd	P	10 10 55	3	..	4480	Do.
	L	19 35 2	10	..	..	Great shock.		L	7 11 32	9	..	..			S	10 17 10	5	..	..	Great shock.
	M	19 50 12	20	..	..			F	Uncertain	..	..	..			L	10 24 17	9	..	..
	F	Uncertain	..	278	..			" 24th	P	3 0 29	3	..	2720	Do.		M	10 30 47	..	316	..	
" 4th	P	11 26 10	2	..	1280	Do.		S	3 4 35	5	..	..	Do.		F	14 12 17	..	..	..
	S	11 28 30	3	Slight shock.		L	3 9 45	6			" 2nd	P	17 13 52	4	..	6720	Do.
	L	11 29 26	7	..	..			F	Uncertain	..	..	..			S	17 22 12	6	..	..	Slight shock.
	F	Uncertain	Do.		" 24th	P	4 46 8	3	..	1440	Do.		L	17 35 37	9	
" 5th	P	22 35 52	3	..	2160	Moderate shock.		S	4 48 37	6	..	..	Do.		F	19 47 22	..	..	..
	S	22 39 20	5			L	4 49 58	8			" 3rd	P	16 29 8	3	..	4640	Do.
	L	22 41 28	8	..	..			F	Uncertain	..	..	..			S	16 35 33	5	..	..
	M	22 42 35	..	88	..			" 24th	P	11 46 29	3	..	3200	Do.		L	Uncertain	
	F	Uncertain	..	..	..			S	11 51 29	5	..	..	Do.		F	18 33 16	..	..	1440	Do.
" 9th	P	15 34 4	5	..	640	Do.		L	11 55 43	7			" 4th	P	15 16 24	2	Do.
	S	15 35 12	6	..	..	Slight shock.		F	Uncertain	..	..	..			S	15 28 47	4	..	..
	L	15 35 41	8			" 26th	P	12 3 46	2	..	3680	Do.		L	15 30 1	5	
	F	16 3 44	..	..	..			S	12 9 21	4	..	..	Do.		F	15 53 11	..	..	..
" 10th	P	0 31 44	6	..	7840	Do.		L	12 13 9	6			" 5th	P	12 24 8	3	..	2720	Do.
	S	0 40 34	8	..	..	Great shock.		F	Uncertain	..	..	..			S	12 28 30	5	..	..	Moderate shock.
	L	0 56 44	18			" 27th	P	19 2 39	3	..	1440	Do.		L	12 31 15	8	
	M	0 57 46	..	200	..			S	19 5 5	5	..	..	Do.		M	Uncertain	..	..	..
	F	Uncertain	..	..	..			L	19 6 16	6	..	..			F	13 56 15	..	..	..
" 10th	P	16 54 14	6	..	4640	Do.		F	19 13 56			" 10th	P	6 44 16	2	..	2400	Do.
	S	17 0 37	8	..	..	Slight shock.		" 27th	P	21 1 49	Un- certain	800	Do.		S	6 48 16	3	..	..	Slight shock.
	L	17 7 58	18	..	..			S	21 3 12	2	..	..	Do.		L	6 50 31	5	..	..
	F	18 0 58	..	..	..			L	21 3 53	3	..	..			F	Uncertain	..	..	..
" 11th	P	0 37 35	2	..	648	Do.		F	21 25 18	..	..	..			" 13th	P	1 11 14	Un- certain	480	Do.
	S	0 38 42	4	Do.		" 28th	P	5 39 11	4	..	3680	Do.		S	1 11 59	3	Moderate shock.
	L	Uncertain	..	..	..			S	5 44 39	8	..	..	Do.		L	1 12 14	4	..	..
	F	Do.	..	..	..			L	5 49 26	14	..	..			M	1 12 34	..	84	..	
								F	Uncertain	..	..	..			F	Uncertain	..	..	..

TABLE E 3 -concl.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)		Δ Distance (Km.).	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)		Δ Distance (Km.).	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)		Δ Distance (Km.).	REMARKS.	
				AN.	AE.							AN.	AE.							AN.	AE.			
1931.		H. M. S.						1931.		H. M. S.						1931.		H. M. S.						
v, 13th	P	7 11 3	Un- certain	.. ..	480	Milne shaw seismograph (AN) slight shock.	Dec. 6th	P	23 4 49	2	.. ..	1920	Milne shaw seismograph (AN) slight shock.	Dec. 22nd	P	13 21 23	Un- certain	.. ..	3040	Milne shaw seismograph (AN) slight shock.				
	S	7 11 48	2	.. ..	..	Slight shock.		S	23 8 9	4	.. ..	..			S	13 26 5	5	.. ..	..			
	L	7 12 3	4	.. ..	..			L	23 10 2	8	.. ..	..			L	13 29 35	8	.. ..	..			
	F	Uncertain	..	.. ..	..			eF	0 1 2	..	.. ..	..			F	Uncertain	..	.. ..	..		
" 15th	P	4 59 38	3	.. ..	800	Do.	" 8th	P	20 0 46	3	.. ..	800	Do.	" 24th	P	23 7 58	3	.. ..	4320	Do.				
	S	5 0 53	4	.. ..	..	Do.		S	20 2 9	Un- certain	.. ..	..	Do.		S	23 14 6	4	.. ..	..	Do.				
	L	5 1 38	8	.. ..	..			L	20 2 43	6	.. ..	..		L	23 19 58	6	.. ..	..				
	eF	5 83 38	..	.. ..	..			F	Uncertain	..	.. ..	..		eF	23 33 18	..	.. ..	..			
" 20th	P	14 28 28	3	.. ..	6400	Do.	" 10th	P	15 18 32	Un- certain	.. ..	400	Do.	" 25th	P	3 15 54	2	.. ..	4160	Do.				
	S	14 36 43	5	.. ..	..	Do.		S	15 19 13	"	.. ..	..	Do.		S	3 21 50	3	.. ..	..	Do.				
	L	14 48 9	9	.. ..	..			L	15 19 22	3	.. ..	..		L	3 27 43	5	.. ..	..				
	F	16 9 24	..	.. ..	..			F	15 39 22	..	.. ..	..		eF	4 19 54	..	.. ..	..			
" 26th	P	19 59 50	3	.. ..	800	Do.	" 18th	P	9 55 54	4	.. ..	3520	Do.	" 27th	P	2 1 40	6	.. ..	1600	Do.				
	S	20 1 23	5	.. ..	..	Do.		S	10 1 9	6	.. ..	..	Do.		S	2 4 24	8	.. ..	..	Do.				
	L	20 1 57	7	.. ..	..			L	10 10 54	8	.. ..	..		L	2 5 40	12	.. ..	..				
	eF	20 24 27	..	.. ..	..			F	Uncertain	..	.. ..	..		F	Uncertain	..	.. ..	..			
" 30th	P	17 3 34	2	.. ..	560	Do.	" 21st	P	18 43 48	2	.. ..	560	Do.	" 31st	P	0 31 44	4	.. ..	6400	Do.				
	S	17 4 31	3	Do.		S	18 44 41	3	Do.		S	0 39 44	5	Do.				
	L	17 4 49	4			L	18 45 3	4		L	0 52 29	7						
	F	17 32 29			F	18 51 15		F	Uncertain						

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TABLE E 5—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE.	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE.	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE.	REMARKS.	
				(μ)						(μ)						(μ)		
		H. M. S.		AE.				H. M. S.		AE.				H. M. S.		AE.		
1931.						1931.						1931.						
Feb. 13th	eP	0 55 00	..	..		Mar. 9th	eP	2 50 18	..	..		April 3rd	eP	22 25 54	..	..
	eL	2 9 30	..	..			eL	3 20 24	..	..			F	22 34 36	..	..		Widening of line.
	M	2 29 36	..	..			M	3 32 00	..	..		„ 4-5th	iP	23 49 06	..	..
	F	4 41 48	..	1200			F	6 38 24	..	1060			F	0 30 24	..	..		Widening of line.
„ 14th	eP	14 5 00	..	..		„ 11th	eP	12 36 42	..	..		„ 6th	eP	7 01 30	..	..
	iL	14 10 36	..	..			iL	12 59 12	..	..			eL	7 33 06	..	..
	M	14 11 54	..	..			M	13 05 54	..	..			M	7 44 18	..	..
	F	15 51 36	..	930			F	15 16 54	..	150			F	8 38 42	..	80		
„ 16th	eP	19 12 18	..	..		„ 12th	eP	11 02 12	..	..		„ 6th	eP	9 22 00	..	..
	F	19 47 00	..	..	Widening of line.		eL	11 16 00	..	..			F	9 34 36	..	..		Widening of line.
„ 19th	eP	17 46 42	..	..			M	11 29 54	..	..		„ 6th	eP	12 32 36	..	..
	eL	17 51 36	..	..			F	11 40 24	..	60			F	12 38 48	..	..		Widening of line.
	M	17 58 06	..	..		„ 12th	eP	19 43 18	..	..	Widening of line.	„ 7th	eP	6 17 36	..	..
	F	19 19 30	..	500			F	19 56 18	..	..			F	8 27 00	..	..		Widening of line.
„ 20th	eP	5 50 24	..	..		„ 12th	eP	21 36 30	..	..	Widening of line.	„ 8th	eP	19 39 18	..	..
	eL	5 53 48	..	..			F	21 42 54	..	..			F	19 50 06	..	..		Widening of line.
	M	5 59 24	..	..		„ 18th	eP	8 22 36	..	..		„ 12th	eP	2 28 42	..	..
	F	6 42 30	..	80			eL	9 14 18	..	..			eL	2 47 30	..	..
„ 27th	eP	9 53 06	..	..			M	9 26 12	..	..			M	2 57 48	..	..
	eL	10 03 06	..	..			F	11 00 48	..	350			F	3 21 12	..	40		
	M	10 08 12	..	..		„ 18th	eP	20 22 12	..	..		„ 24th	iP	17 34 54	..	..
	F	10 41 48	..	80			eL	20 29 18	..	..			eL	18 14 54	..	..
Mar. 2nd	eL	2 42 24	..	..			M	20 45 54	..	..			M	18 20 00	..	..
	M	2 46 00	..	..		„ 19th	eP	6 33 18	..	..		„ 27th	F	20 10 18	..	80		
	F	3 18 00	..	..			iL	6 46 06	..	..			iL	17 08 06	..	..
	F	3 45 06	..	40	No P. T's.		M	6 51 42	..	..			M	17 17 00	..	..
„ 5th	eP	18 03 30	..	..			F	7 44 30	..	180			F	18 07 18	..	100		
	eL	18 06 00	..	..		„ 28th	iL	12 47 24	..	..		May 17th	eP	13 05 12	..	..
	M	18 07 36	..	..			M	13 12 18	..	..			F	13 10 06	..	..		Widening of line.
	F	18 33 06	..	70		April 1st	eP	13 25 18	..	..	Widening of line.	„ 20th	eP	2 46 48	..	..
„ 7th	eP	10 23 12	..	..			F	13 40 54	..	..			eL	3 08 30	..	..
	F	11 03 48	..	..	Widening of line.	„ 1st	eP	17 27 48	..	..	Widening of line.		M	3 16 30	..	..
„ 8th	eP	2 08 54	..	..			F	18 10 06	..	..	Widening of line.	„ 20th	eP	23 09 30	..	..
	eL	2 23 30	..	..		„ 3rd	eP	3 23 00	..	..	Widening of line.		F	23 37 36	..	..		Widening of line.
	M	2 28 54	..	..			F	3 32 48	..	..		„ 24th	P	0 35 06	..	..
	F	3 11 24	..	90		„ 3rd	eP	6 34 42	..	..	Widening of line.		F	1 00 48	..	..		Widening of line.
„ 8th	eP	12 47 30	..	..			F	6 43 42	..	..					..	..
	F	12 59 12	..	..	Widening of line.				..	..					..	..

TABLE E 5—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. (μ)	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. (μ)	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.).	AMPLI- TUDE. (μ)	REMARKS.	
				AE.						AE.						AE.		
1931.		H. M. S.				1931.		H. M. S.				1931.		H. M. S.				
June 9th	eP	14 58 30	..	..		Aug. 24th	iP	21 40 30	..	..		Sep. 25th	eP	21 45 06	..	..
	F	15 15 36	..	..	Widening of line.		iL	21 44 06	..	..			eL	21 46 54	..	..
" 9th	eP	16 58 30	..	..			M	21 47 54	..	..			M	21 18 24	..	..
	F	17 23 48	..	..	Widening of line.		F	23 59 18	..	1280			F	22 09 48	..	40		
" 18th	eP	13 10 42	..	..		" 25th	eP	0 43 18	..	..		" 28th	eP	21 39 42	..	..
	iL	13 13 18	..	..			F	1 11 30	..	..	Widening of line.		F	22 05 00	..	..	Widening of line.	
	M	13 13 36	..	..		" 25th	eP	3 09 36	..	..		" 27th	eP	0 38 54	..	..
	F	13 23 42	..	100			F	3 32 12	..	..	Widening of line.		F	0 44 06	..	..	Widening of line.	
" 23rd	eP	6 54 42	..	..	Widening of line.	" 27th	iP	15 32 24	..	..		" 28th	eP	17 31 00	..	..
	F	7 06 06	..	..			iL	15 36 30	..	..	Boom was thrown to one side and stuck there for some hours.		eL	17 36 36	..	..
July 12th	eP	16 59 30	..	..	Widening of line.	" 28th	eL	0 48 24	..	..			M	17 38 12	..	..
	F	17 23 12	..	..			M	0 51 12	..	..		" 29th	eP	11 26 42	..	..	Widening of line.	
" 15th	iL	17 04 36	..	..		" 28th	F	1 00 54	..	40	No P. T's.	" 29th	F	11 37 12	..	..	Widening of line.	
	M	17 05 54	..	..		" 28th	P	19 50 54	..	..			eP	10 47 06	..	..	Widening of line.	
	F	17 23 48	..	140	No P. T's.	Sept. 3rd	eP	17 23 36	..	..	Widening of line.	" 3rd	F	10 58 06	..	..	Widening of line.	
" 18th	eP	11 59 54	..	..			F	17 29 42	..	..		" 3rd	eP	19 26 42	..	..
	eL	12 09 42	..	..		" 6th	eP	14 43 36	..	..	Widening of line.		iL	19 37 12	..	..
	M	12 11 48	..	..		" 9th	F	14 56 12	..	..			M	20 16 54	..	..
	F	12 39 06	..	40		" 9th	iL	20 57 24	..	..		" 3rd	F	?	..	760		
Aug. 1st	eP	19 56 36	..	..	Widening of line.	" 9th	M	21 14 30	..	..		" 3rd	eP	?	..	..
	F	20 07 54	..	..		" 21st	F	22 01 18	..	50	No P. T's.	" 3rd	iL	22 52 06	..	..
" 2nd	eP	18 26 12	..	..	Widening of line.	" 21st	eP	2 38 42	..	..		" 3rd	M	22 57 48	..	..
	F	18 37 00	..	..		" 21st	eL	2 55 36	..	..		" 3rd	F	?	..	180	Overlapping.	
" 8th	eL	4 15 12	..	..		" 21st	M	2 58 30	..	..		" 3-4th	eP	?	..	..
	M	4 18 00	..	..		" 21st	F	3 55 06	..	60		" 3-4th	iL	23 39 30	..	..
	F	4 27 06	..	40	No P. T's.	" 21st	eP	10 40 12	..	..		" 6th	M	23 50 18	..	..
" 10th	eP	10 26 18	..	..	Widening of line.	" 21st	eL	10 47 00	..	..		" 6th	F	2 22 48	..	290		
	F	10 45 54	..	..		" 21st	M	10 50 06	..	..		" 6th	M	22 43 12	..	..
" 10-11th	eP	21 26 24	..	..		" 21st	F	12 09 54	..	70		" 6th	F	23 06 54	..	50	No P. T's.	
	eL	21 30 48	..	..		" 25th	iP	6 06 21	..	..		" 9th	eP	6 11 30	..	..
	M	?	..	..			eL	6 10 00	..	..		" 9th	F	6 28 00	..	..	Widening of line.	
	F	1 31 18	..	?		" 25th	M	?	..	..		" 10th	eP	0 32 48	..	..
" 18th	eP	22 34 06	..	..	Several widenings of the line.	" 25th	F	9 23 48	..	?	Boom was thrown to one side where it stuck for some time.	" 10th	iL	0 43 18	..	..
	F	23 40 18	..	..					..	..		" 10th	M	1 19 30	..	..
" 18th	iP	14 34 42	..	..					..	..		" 10th	F	5 18 54	..	340		
	iL	14 41 24	..	..					..	..					..	..
	M	14 45 30	..	..					..	..					..	..
	F	17 10 00	..	1330					..	..					..	..

TABLE E 5—*condd.*

Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)	REMARKS.	Date.	Phase.	Time G. M. T.	Period (Sec.)	AMPLI- TUDE. (μ)	REMARKS.	
				AE.						AE.						AE.		
1931.		H. M. S.				1931.		H. M. S.				1931.		H. M. S.				
Oct. 10th	iL	17 15 54	..	--		Oct. 18th	eP	4 48 30	..	--		Nov. 2nd	iP	10 17 06	..	--		
	M	17 27 00	..	--			F	5 55 24	..	--	Several widenings of the line.		iL	10 19 36	..	--		
	F	18 04 24	..	80	No P. T's.								M	10 42 24	..	--		
						.. 26th	eP	15 10 24	..	--			F	12 27 12	..	990		
.. 12th	eP	14 19 48	..	--			F	15 18 42	..	--	Widening of line.	.. 5th	eP	12 35 36	..	--		
	F	14 29 42	..	--	Widening of line.								iL	12 41 00	..	--		
						.. 28th	eP	5 49 42	..	--			M	12 43 18	..	--		
18th	eP	1 02 18	..	--			eL	5 59 12	..	--			F	18 23 18	..	180		
	F	1 06 42	..	--	Widening of line.		M	6 02 48	..	--		Dec. 18th	iP	10 02 36	..	--		
							F	6 25 54	..	40			eL	10 08 36	..	--		
.. 18th	eP	1 32 30	..	--		Nov. 1st	eP	19 15 06	..	--			M	10 05 36	..	--		
	eL	1 35 06	..	--			eL	19 32 36	..	--			F	10 51 18	..	180		
	M	1 37 36	..	--			M	19 35 24	..	--		.. 25th	P	8 46 42	..	--		
	F	0 48 06	..	40			F	19 47 12	..	50			F	4 10 48	..	--	Widening of line.	

T. ROYDS,
Director, Madras and Kodaikanal Observatories.

The following table contains a list of earthquakes that were reported by voluntary observers from various stations:—

TABLE E-5.

Place at which felt.	Date.	G. M. T. of earthquake.	Duration.	Intensity (Rossi-Forel scale).	No. of shocks.	REMARKS.	Place at which felt.	Date.	G. M. T. of earthquake.	Duration.	Intensity (Rossi-Forel scale).	No. of shocks.	REMARKS.
	1931.	H. M.	Sec.					1931.	H. M.	Sec.			
Peshawar	Jan. 7	3 52	12	5	1		Cherrapunji	Aug. 13	10 45	10	5	2	
Drosh	" 7	3 54	12	5	1		Cherat	" 15	4 04	2	5	2	
Do.	" 10	14 54	15	6	1		Rawalpindi	" 15	4 02	30	5	3 or 4	
Do.	" 17	8 20	19	6	2		R. A. F. Peshawar	" 15	4 03	50	6	3	Several minor shocks.
Rangpur	" 18	16 16	20	5	1		Drosh	" 15	3 55	70	6	2	
Gauhati (Assam)	" 18	13 13	about 35	7	2		Srinagar (Kashmir)	" 15	4 05	about 4	8	2	
Peshawar	" 20	9 31	95	6	2		Gulmargh (Kashmir)	" 15	4 07	15	7	3	
Cherat	" 20	9 27	nearly 2	6	1		Maymyo	" 18	19 25	2	5	..	
Srinagar (Kashmir)	" 20	9 35	about 2	8	1		Jodhpur	" 25	0 30	3 or 4	4	1	
Drosh	" 20	9 30	40	8	2		Multan	" 27	15 31	15	6	3	
Sonamarg	" 20	9 41	15	7	2		Jodhpur	" 27	15 30	5 or 6	4	1	
Gurez (Kashmir)	" 20	9 36	47	5	3		Srinagar (Kashmir)	" 27	15 28	about 2	7	1	
Dras	" 20	9 30	7	5	1		Hyderabad (Sind)	" 27	15 30	3	4	1	
Skardu	" 20	9 20	5-6	6	2		Gulmarg	" 27	15 26	3	7	1	
Myitkyina	" 27	21 16 21 46	65 8	5	2		Dhubri	" 28	15 52	10	6	1	
Rangpur	Feb. 7	15 02	6	4	1		Gauhati (Assam)	Sep. 4	20 35	about 10	6	1	
Cherrapunji	" 7	15 07	30	4	1		Salonah (Nowgong District).	" 7	9 49	about 15	5	1	Continued vibrations.
Gauhati (Assam)	" 7	15 05	about 40	7	2		Yatung (Tibet)	Oct. 3	17 29	about 8	4	several tremors.	
Bushhre	" 9	3 07	about 30	7	1		Siakot	" 5	22 25	about 3	3	1	
Rangpur	" 9	9 40	3	5	1		Dras	" 5	22 35	about 10	6	2	
Skardu	" 11	16 05	7-8	6	1		Drosh	" 5	22 34	65	6	2	
Akyab	" 26	6 48	about 2	4	1		R. A. F. Peshawar	" 5	22 34	4	6	3	
Peshawar	Mar. 15	18 42	53	6	2		Cherat	" 5	22 35	50	7	3	
Drosh	" 16	6 35	40	6	1		Rawalpindi	" 5	22 35	150	6	3	
Angul	Apr. 23	5 18	about 30	5	1		Lahore	" 5	22 50	15	6	2	
Salonah (District Nowgong).	" 23	4 08	about 5	4	**		Srinagar (Kashmir)	" 5	22 35	about 5	7	2	
Yatung, Tibet	" 28	13 03	1-3	4	1		Skardu	" 5	22 30	55	6	5	
Lahore	May 19	15 25	2	3	1		Muzafferabad	" 5	22 10	..	6	1	
Gauhati (Assam)	" 24	8 10	about 20	6	1		Guraz (Kashmir)	" 5	22 39	80	7	2	
Dhubri	June 9	9 27	9	6	1		Mandalay	" 9	16 00	about 3	3	..	
Salonah	July 27	9 13	12-15	5	2	Continued vibrations.	Maymyo	" 9	16 35	4	5	1	
Gulmarg (Kashmir)	" 31	15 15	10	7	3		Rangpur	" 12	22 30	5	3	4	
Dhubri	Aug. 2	21 56	20	6	1		Cooch Behar	" 12	22 01	about 3	5	..	
Cherrapunji	" 2	21 58	2	4	1		Amherst	" 14	23 50	2	7	1	
Rangpur	" 2	22 16	15 or 20	4	1		Drosh	" 15	01 00	30	6	2	
Gauhati (Assam)	" 2	22 15	about 15	6	1		Dhubri	" 27	20 51	11	6	2	
Mymensingh	" 2	22 40	1-2	5	1		Gauhati	" 27	20 56	about 40	6	1	
Cooch Behar (Bengal)	" 12	1 08	about 10	5	1								

* 2 severe shocks in the beginning and several minor afterwards.
** Small vibrations only.

TABLE E-5—concl'd.

Place at which felt.	Date.	G. M. T. of earthquake.	Duration.	Intensity (Rossi-Forel scale).	No. of shocks.	REMARKS.	Place at which felt.	Date.	G. M. T. of earthquake.	Duration.	Intensity (Rossi-Forel scale).	No. of shocks.	REMARKS.
	1931.	H. M.	Sec.					1931.	H. M.	Sec.			
Rangpur	Oct. 27	21 30	about 10	4	3		Gilgit	Nov. 19	06 15	3	3	3	
Dhubri	" 30	16 51	about 5	6	1		Gauhati	Dec. 15	01 40	about 5	6	1	
Cherat	Nov. 4	15 21	2	6	2		Salonah	" 15	01 09	8-10	3	1	
Rawalpindi	" 4	15 23	about 60	6	2		Do.	" 15	01 32	about 8	3	--	Continuous small vibrations.
R. A. F. Peshawar	" 4	15 25	5	6	3		Cooch Behar	" 19	12 11	about 2	6	1	
Rangpur	" 13	01 10	10	6	3		Salonah	" 21	18 00	about 10	5	--	Sharp continued vibrations.
Gauhati	" 13	01 10	about 15	6	1		Cooch Behar	" 21	18 45	about 3	6	2	
Dhubri	" 13	02 03	15	7	3		Rangpur	" 21	18 43	5	6	2	
Yatung (Tibet)	" 13	01 09	about 3	6	1	Followed by several tremors.	Dhubri	" 21	19 31	17	6	3	
Cherrapunji	" 13	01 09 07 13	3 5	5	3								

J. M. SIL,
Meteorologist, Poona.

GOVERNMENT OF INDIA
METEOROLOGICAL DEPARTMENT

INDIA WEATHER REVIEW

ANNUAL SUMMARY FOR 1931

PART F

ERRATA TO MONTHLY WEATHER REPORTS

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Director General of Observatories

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ANNUAL SUMMARY FOR 1931.

PART F.

ERRATA SHEETS.

For the monthly Weather Reports, January to December, 1931

JANUARY 1931.

Reference.	Figure Column.	For	Read
Tavoy	3 and 4.	N 33 E and 2.4.	N 45 E and 2.2.
Amherst	4, 5, 7, 10 and 15.	5.8, 75.2, 89.4, 70.0 and 3.8.	5.5, 75.1, 89.5, 70.1 and 3.6.
Rangoon	3, 4, 5, 13, 14 and 15.	N 23 E, 3.1, 70.4, 80, —2 and 3.1.	N 22 E, 3.2, 70.5, 79, —3 and 3.0.
Bassein	1, 2, 4, 6, 7, 8, 10 and 11.	29.938, —.010, 3.2, 65.4, 89.9, +4.1, 63.9 and +1.0.	29.985, +.043, 2.0, 65.5, 90.1, +4.3, 63.8 and +1.1.
Diamond Island	3, 4, 5, 7 and 8.	N 14 E, 3.8, 76.6, 85.0 and +1.4.	N 13 E, 5.6, 76.5, 84.9 and +1.3.
Gwa	1, 4, 5, 6 and 13.	29.955, 2.6, 66.4, 64.2 and 89.	29.953, 2.9, 68.0, 64.1 and 88.
Toungoo	1, 2, 7, 8, 9, 10, 11, 13, 14 and 15.	29.837, +.015, 88.0, +3.6, 91, 58.5, +0.8, 79, —10 and 3.1.	29.841, +.019, 88.0, +3.7, 92, 59.0, +1.3; 80, —9, and 2.7.
Kyaukpyu	1 and 2.	29.966 and —.004.	29.967 and —.003.
Akyab	3, 13, 14 and 15.	N 16 E, 81, —7 and 1.1.	N 13 E, 82, —6 and 1.2.
Monywa	4, 5, 10, 11, 13, 14 and 15.	2.9, 61.6, 57.3, +0.1, 85, 0 and 1.8.	1.9, 61.5, 57.5, +0.3, 87, +2 and 1.5.
Myitkyina	15.	3.3.	3.0.
Mergui	16, 17, 18, 19 and 20.	0.36, —0.54, 1, —0.4 and 0.32.	0.72, —0.18, 2, +0.6 and 0.40.
Yamethin	1, 2, 4, 5, 6, 7, 8, 10, 11, 13, 14 and 15.	29.337, +.009, 2.6, 63.1, 57.6, 87.2, +2.0, 55.1, —1.1, 70, —10 and 1.1.	29.340, +.012, 1.7, 63.3, 57.7, 87.1, +1.9 55.7, —0.5, 69, —11 and 1.3.
Maymyo	1, 2, 4, 5, 6, 13 and 14.	26.491, +.022, 0.6, 50.3, 48.4, 86 and —5.	26.490, +.021, 1.1, 50.4, 48.6, 87 and —4.
Jessore	5, 6, 7 and 10.	61.1, 59.9, 79.9 and 53.3.	61.0, 59.8, 79.7 and 53.2; and <i>Omit (b)</i> against the station.
Saugor Island.	10.	61.6.	61.6 (b).
Burdwan	9.	83.	88.
Dinajpur	12.	49.	45.
Chaibasa	12.	40.	49.
Allahabad	4.	1.0.	3.0.
Mainpuri	4.	1.9.	1.4.
Roorkee	4.	1.1.	3.1.
Rawalpindi	3.	N 28 W.	N 22 W.
Lyalpur	1, 2, 3, 7, 8, 10 and 11.	29.448, —.012, S 38 W, 69.7, +0.9, 41.4 and +2.0.	29.450, —.010, S 23 W, 69.4, +0.6, 41.5 and +2.1; <i>Omit (b)</i> against the station.
Dras	10 and 11.	0.5 and +11.9.	1.2 and +12.6.
Leh	16 and 17.	0.22 and —0.14.	0.26 and —0.10.
Peshawar	4, 16 and 17.	2.0, 2.47 and +0.91.	1.5, 2.42 and +0.86.
Fort Sandeman	7, 8, 10 and 11.	57.1, —3.4, 31.5 and +0.2.	56.7, —3.8, 31.9 and +0.6.
Jodhpur	10 and 11.	53.3 and +2.8.	53.5 and +3.0.

JANUARY 1931—contd.

Reference.	Figure Column.	For	Read
Ajmer	10 and 11.	47.1 and +1.1.	46.9 and +0.9.
Kotah	15.	3.1.	2.4.
Jhalrapatan	7.	81.8.	82.4.
Bhuj	5 and 6.	60.6 and 49.1.	60.3 and 48.9.
Dwarka	4 and 6.	8.3 and 58.8.	8.6 and 59.0.
Veraval	6, 7, 8, 13 and 14.	55.6, 82.5, +0.9, 48 and —6.	55.8, 82.3, +0.7, 49 and —5.
Neemuch	1, 2, 3, 7, 8 and 15.	28.377, +.002, N 39 E, 80.2, +2.7 and 1.5.	28.376, +.001, N 41 E, 80.3, +2.8 and 1.6.
Indore	5, 13 and 14.	62.4 49 and —11.	62.8, 48 and —10.
Bhopal	15, 16 and 20.	1.8, 1.20 and 1.13.	1.9, 0.20 and 0.13.
Akola	4.	2.4.	2.3.
Khandwa	5, 13 and 14.	63.3, 45 and —11.	63.0, 47 and —9.
Hoshangabad	4.	2.9.	2.7.
Saugor	5.	62.5.	62.7.
Kanker	15.	2.6.	2.5.
Chanda	1 and 2.	29.368 and +.002.	29.369 and +.003.
Jagdapur	1, 2 and 19.	28.191 (b), +.011 and —0.2.	28.190, +.010 and —0.8.
Ratnagiri	1 and 2.	29.737 (b) and —.015. †	29.738 and —.014.
Page 7		<i>Omit the footnote "(b) mean of 30 days."</i>	
Marmagao	5, 13 and 14.	77.1, 65 and —17.	77.3, 63 and —19 and insert 29.751 and +.001 in columns 1 and 2.
Karwar	6, 13 and 14.	65.3, 71 and —10.	65.4, 73 and —8.
Ahmadnagar	1 and 2.	27.841 and +.010.	27.839 and +.008.
Bijapur	3, 4, 5 and 6.	S 60 E, 3.1, 68.9 and 59.6.	S 59 E, 2.9, 69.1 and 59.7.
Belgaum	6, 13 and 14.	58.8, 55 and —5.	59.0, 57 and —3.
Aurangabad	6, 10, 11, 13 and 14.	53.6, 58.2, +22, 46 and —2.	53.1, 58.3, +2.3, 45 and —3.
Gulbarga	3, 5, 6, 10 and 11.	N 86 E, 68.4, 59.3, 62.7 and +2.9.	S 83 E, 68.6, 59.6, 60.6 and +0.8.
Hyderabad (Deccan)	16, 17 and 20.	0.03, —0.21 and 0.03.	0, —0.24 and 0.
Hanamkonda	1 and 2.	29.135 and +.021.	29.136 and +.022.
Bangalore	3.	N 78 E.	N 77 E.
Mysore	10.	66.6.	61.6.
Mangalore	6, 13 and 14.	70.1, 69 and +3.	69.9, 67 and +1.
Trivandrum	15.	3.4.	3.5. †
Madura	15.	5.1.	5.3.

JANUARY 1931—concl.

Reference.	Figure Column.	For	Read
Negapatam	4.	11.4.	11.8.
Trichinopoly	4 and 15.	5.3 and 3.2.	3.9 and 3.3.
Coimbatore	6.	66.9.	67.0.
Nellore	1 and 2.	29.929 and +.002.	29.928 and +.001.
Vizagapatam	4.	4.3.	3.4.
Calingapatam. . . .	6, 7 and 8.	62.7, 83.0 and +0.8.	62.5, 83.3 and +1.1.
Gopalpur	10, 11 and 15.	61.8, —0.5 and 3.3.	61.9, —0.4 and 3.0.
Dharampore	16, 18 and 20.	2.11, 6 and 0.60.	1.12, 4 and 0.34.
Murree	15.	7.1.	5.6.
Simla	15.	4.3.	3.6.
Mount Abu	1 and 2.	26.104 and +.017.	26.102 and +.015.
Mercara. . . .	10 and 11.	58.5 and +1.8.	58.8 and +2.1.
Coonoor	1.	24.469.	24.467.

FEBRUARY 1931.

Reference.	Figure Column.	For	Read
Port Blair	1, 2, 10, 11, 13 and 14.	29-842, —017, 75-2, +0-2, 80 and —3.	29-841, —018, 75-3, +0-3, 79 and —4.
Victoria Point	3, 7 and 8.	N 42 E, 90-1 and +1-4.	N 43 E, 90-0 and +1-3.
Mergui	1, 2, 6, 7, 8, 9, 13, 14, 15, 16, 17, 18, 19 and 20.	29-851, —005, 74-7, 89-4, —0-1, 9, 91, +6, 4-0, 1-34, —0-68, 2, —0-7 and 0-59.	29-850, —006, 74-8, 89-1, —0-4, 95-92, +7, 3-9, 2-19, +0-17, 3, +0-3 and 0-94.
Tavoy	1, 2, 3, 4, 5, 6, 7, 8, 13, 14 and 15.	29-913, —004, N 21 W, 2-7, 75-8, 73-1, 94-3, +3-2, 88, 0 and 3-1.	29-914, —003, N 20 W, 1-9, 75-7, 73-0, 94-2, +3-1, 87, —1 and 3-0.
Amherst	3, 4 and 5.	S 30 E, 6-3 and 78-8.	S 28 E, 6-2 and 78-7.
Rangoon	1, 2, 4, 5, 6, 13, 14 and 15.	29-904, —008, 4-0, 72-0, 68-6, 83, —1 and 2-1.	29-905, —007, 3-0, 72-2, 68-4, 82, —2 and 2-4.
Bassein	4, 5, 6, 7, 8 and 15.	3-0, 73-8, 70-8, 95-0, +5-1 and 2-1.	2-7, 73-9, 70-9, 94-8, +4-9 and 2-3.
Diamond Island	1, 2, 4, 6, 13 and 14.	29-873, —017, 6-6, 73-1, 80 and +5.	29-872, —018, 9-1, 73-0, 79 and +6.
Gwa	1, 3, 4, 5, 6, 7, 10, 13 and 15.	29-931, S 49 E, 3-3, 68-6, 65-6, 84-6, 60-1, 84 and 2-8.	29-922, S 45 E, 4-5, 68-3, 65-3, 84-2, 59-8, 85 and 2-1; <i>Omit</i> (i) against the Station.
Page 13		<i>Omit</i> the footnote (i) "mean of 23 days."	
Toungoo	1, 2, 15 and 17.	29-786, +012, 2-1 and —0-18.	29-784, +007, 2-2 and —0-13.
Kyaukpyu	1, 2, 4, 5, 7, 8, 11, 13 and 15.	29-921, —003, 4-9, 75-7, 84-9, +3-2, +6-2, 84 and 1-5.	29-922, —002, 5-4, 76-0, 85-0, +4-2, +8-1, 82 and 1-6 and <i>insert</i> —2 in column 14.
Akyab	4.	6-4.	7-5.
Yamethin	3, 4, 6 and 15.	S 81 E, 3-8, 60-4 and 1-4.	S 62 E, 2-5, 60-1 and 0-9.
Mandalay	1, 2, 3, 4 and 15.	29-671, —017, S 10 E, 1-4 and 1-2.	29-678, —010, S 5 W, 1-3 and 1-1.
Monywa	1, 2, 4, 5, 6, 7, 8, 10, 11, 13, 14 and 15.	29-655, —022, 3-1, 68-0, 61-8, 92-8, +4-8, 62-8, +2-4, 69, —4 and 1-8.	29-658, —019, 2-0, 67-8, 62-0, 93-0, +5-0, 62-3, +2-5, 71, —2 and 1-6.
Maymyo	5.	58-5.	58-8.
Lashio	1, 2, 4, 6, 7 and 8.	27-119, —001, 2-7, 53-6, 83-2(p) and +5-2.	27-123, +003, 2-8, 53-5, 81-5 and +3-5.
Page 13		<i>Omit</i> the footnote "(p) mean of 16 days."	
Bhamo	1, 2, 4, 5, 7, 8, 10 and 11.	29-550, —010, 2-1, 61-9, 82-4, +1-6, 55-4 and +2-8.	29-554, —006, 1-8, 61-8, 82-3, +1-5, 55-3 and +2-7.
Myitkyina	1, 2, 4, 6, 10, 11, 13, 14 and 15.	29-470, —007, 3-0, 59-3, 57-1, +3-0, 83, —3 and 4-4.	29-474, —003, 3-1, 59-1, 57-0, +2-9, 82, —4 and 4-3.
Sibsagor	16 and 17.	1-32 and —0-69.	1-33 and —0-68.
Gauhati	16, 17, 18, 19 and 20.	1-34, +0-10, 2, —0-6 and 1-02.	0-34, —0-90, 1, —1-6 and 0-25.
Jessore (b)		<i>Omit</i> the figures in columns 8 and 11.	
Dinajpur	16, 17, 18 and 19.	0-90, +0-33, 1 and —0-2.	1-10, +0-53, 2 and +0-8.
Jalpaiguri	16, 17 and 20.	0-04, —0-62 and 0-04.	0-11, —0-55 and 0-07.

FEBRUARY 1931—contd.

Reference.	Figure Column.	For	Read
Ranchi	14.	—16.	+16.
Darbhanga	16 and 17.	0.69 and +0.15.	0.74 and +0.20.
Cherrapunji	16, 17, 18 and 19.	1.22, —1.50, 4 and +0.4.	1.36, —1.36, 5 and +1.4.
Gorakhpur	15.	3.6.	2.9.
Mainpuri	4.	2.9.	1.8.
Lucknow	16 and 17.	0.88 and +0.23.	0.89 and +0.24.
Jhansi	3, 5, 6, 7, 8, 13, 14 and 15.	N 31 W, 59.3, 53.0, 76.5, —4.3, 62, +6 and 4.6.	N 40 W, 59.4, 53.2, 76.4, —4.4, 65, +9 and 4.5; <i>Omit (e) against the Station.</i>
Page 14		<i>Omit the footnote “(e) mean of 27 days.”</i>	
Dehra Dun	15.	5.9.	4.7.
Delhi		<i>Omit the figures in column 14.</i>	
Hissar	15, 16 and 17.	4.2, 0.40 and +0.05.	4.6, 0.41 and +0.06.
Ambala	7.	68.8.	68.7.
Ludhiana	4 and 15.	2.6 and 4.9.	2.3 and 4.6.
Sialkot	4, 16, 17, 18 and 19.	1.6, 0.59, —1.00, 1 and —2.0.	1.4, 0.79, —0.80, 2 and —1.0.
Khushab	1 and 2.	29.415 and +0.36.	29.414 and +0.35.
Bahawalpur	3.	N 60 E.	N 62 E.
Quetta	5, 16 and 17.	32.4, 4.95 and +3.09.	32.1, 5.03 and +3.17.
Hyderabad (Sind)	1, 2, 5, 6, 7, 8, 10, 11, 12 and 15.	29.951, +0.44, 57.0, 48.9, 73.4, —7.4, 52.8, —1.4, 43 and 4.6.	29.953, +0.46, 56.7, 48.5, 73.3, —7.5, 52.4, —1.8, 42 and 4.5; <i>Omit (e) against the Station.</i>
Ahmadabad	1, 2, 3, 4, 6, 7, 8 and 15.	29.827, +0.009, N 24 E, 3.6, 53.5, 84.0, —3.8 and 4.2.	29.823, +0.005, N 26 E 3.4, 53.4, 84.1, —3.7 and 4.4; <i>Omit (e) against the Station.</i>
Neemuch	7 and 8.	76.2 and —4.5.	76.0 and —4.7.
Bhopal	7 and 10.	78.6 and 56.3.	81.4 (l) and 55.9 and <i>insert 0</i> in columns 16, 18 and 20.
Page 15		<i>Insert “(l) mean of 20 days” as footnote.</i>	
Khandwa	5, 6, 13 and 14.	66.5, 55.6, 46 and +2.	66.7, 55.2, 43 and —1.
Saugor	1, 2, 5, 13 and 14.	28.114, —0.17, 60.6, 57 and +11.	28.112, —0.19, 60.4, 59 and +13.
Jubbulpore	3.	N 57 E.	N 63 E.
Pendra	3, 7 and 8.	S 17 E, 78.8 and —0.2.	S. 78.5 and —0.5.
Malegaon	13 and 14.	41 and —4.	43 and —2.
Ahmadnagar	13, 14 and 15.	38, —9 and 0.5.	40, —7 and 0.4.
Bijapur	1 and 2.	27.988 and +0.07.	27.987 and +0.06.
Belgaum	5, 6, 13 and 14.	69.4, 60.6, 58 and +7.	69.2, 60.4, 57 and +6.

FEBRUARY 1931—concl'd.

Reference.	Figure Column.	For	Read
Aurangabad . . .	3, 5 and 15.	N 68 E, 69.6 and 1.6.	N 70 E, 69.4 and 1.5.
Gulbarga . . .	10 and 11.	72.3 and +8.2.	72.2 and +8.1.
Raichur.	3.	S 36 E.	S 31 E.
Hyderabad (Deccan) . . .	15.	1.4.	1.6.
Mangalore	15.	2.1.	2.0.
Trivandrum	15.	0.9.	1.2.
Trichinopoly	3.	N 29 E.	N 30 E.
Salem	1 and 2.	29.029 and +.005.	29.031 and +.007.
Vellore	1 and 2.	29.247 and —.003.	29.248 and —.002.
Cuddapah	4.	7.2.	7.3.
Vizagapatam	4.	3.9.	3.1.
Calingapatam.	1, 2, 4, 7 and 8.	29.966, +.020, 3.6, 85.8 and —1.7.	29.968, +.022, 4.0, 85.9 and —1.6.
Gopalpur	4.	6.7.	7.5.
Mukteswar	7, 8, 10, 11, 16 and 17.	46.4, —4.3, 34.6, —0.8, 3.80 and +1.41.	46.2, —4.5, 34.1, —1.3, 4.18 and +1.79.
Mussooree	13.	76.	80.
Cherat	4, 7 and 8.	9.4, 45.4 and —6.8.	10.9, 45.0 and —7.2.
Coonoor	1 and 10.	24.462 and 46.3.	24.492 and 46.4.

MARCH 1931.

Reference.	Figure Column.	For	Read
Port Blair	3, 4, 10 and 11.	N 50 W, 2·9, 76·0 and —0·3.	N 44 W, 2·8, 75·9 and —0·4.
Victoria Point	4, 5, 6, 7, 8, 13 and 14.	5·7, 81·1, 76·4, 90·4, +0·1, 83 and +4.	5·8, 81·0, 76·3, 90·3, 0, 80 and +1.
Mergui	1, 2, 5, 7, 8, 10, 11, 13, 14 and 15.	29·847, +·022, 78·0, 89·2, —1·8, 74·8, +2·2, 86, +3 and 3·5.	29·848, +·023, 78·1, 89·3, —1·7, 74·7, +2·1, 87, +4 and 3·2.
Tavoy	1, 2, 4, 5, 15.	29·910, +024, 3·0, 77·6 and 2·0.	29·911, +025, 2·0, 77·5 and 1·8.
Amherst	4, 5, 7, and 15.	7·0, 82·3, 89·2, and 4·1.	7·7, 82·2, 89·3 and 3·7.
Rangoon	3, 4, 5, 6, 13, 14 and 15.	N 38 W, 4·1, 74·3, 71·4, 86, +1 and 4·0.	N 42 W, 3·7, 74·4, 71·3, 85, +2 and 3·9.
Bassein	4, 5, 10, 11 and 15.	3·3, 78·0, 70·4, —0·7 and 0·8.	4·0, 77·0, 70·3, —0·8 and 0·9.
Diamond Island	1, 2, 4, 5, 6 and 15.	29·868, +·018, 6·2, 80·0, 74·3 and 2·4.	29·866, +·020, 6·4, 79·9, 74·1 and 2·3.
Gwa	1, 4, 5 and 6.	29·906, 5·3, 73·7 and 70·2.	29·901, 6·2, 73·6 and 70·0,
Toungoo	6 and 10.	68·9 and 68·5.	69·0 and 69·0.
Kyaukpyu	1, 2, 3, 4, 10, 11, 13 and 14.	29·893, +·020, N 81 E, 7·1, 71·7, +1·6, 84 and 0.	29·895, +·022, N 80 E, 5·2, 71·4, +1·3, 81 and —3.
Akyab	4, 5, 6, 10, 11, 12, 13 and 14.	9·1, 73·5, 68·0, 66·0, —2·5, 58, 74 and —9.	6·5, 73·6, 68·1, 66·6, —1·9, 61, 75 and —8.
Yamethin	1, 2, 4, 7, 8, 9, 10 and 11.	29·258, +·041, 4·4, 98·1, +0·3, 104, 67·5 and —1·2.	29·255, +·038, 3·6, 97·9, +0·1, 102, 67·9 and —0·8.
Monywa	4, 5, 13 and 14.	2·6, 74·3, 51 and —7.	1·9, 74·2, 52 and —6.
Lashio	1, 2, 3, 4, 5 and 15.	27·114, +029, N 27 E, 2·9, 64·3 and 1·9.	27·116, +031, N 30 E, 2·5, 64·4 and 1·8.
Bhamo	1, 2, 4 and 15.	29·505, +·011, 2·5, and 3·5.	29·522, +028, 2·0 and 3·6.
Myitkyina	1, 2, 4, 5, 6 and 15.	29·440, +023, 3·8, 67·3, 62·2 and 3·0.	29·435, +018, 3·4, 67·2, 62·8 and 2·9.
Maymyo	1, 2, 4, 10, 11 and 15.	26·457, +·044, 1·4, 52·2, +1·6 and 0·6.	26·442, +029, 1·2, 52·0, +1·4 and 0·5.
Tezpur	14.	—17.	—9.
Narayanganj	3.	S.	S 18° E.
Barisal	10 and 11.	68·8 and +0·1.	68·6 and —0·1.
Jessore		<i>Omit the figures in columns 8 and 11.</i>	
Berhampore	16 and 17.	1·76 and +0·69.	1·73 and +0·66.
Bogra	16 and 17.	0·76 and —0·48.	0·79 and —0·45.
Chandbali	16, 18 and 20.	0·40, 1 and 0·34.	1·57, 2 and 1·17.
Gorakhpur	15.	2·4.	1·8.
Allahabad	1, 2, 4, 5, 6, 7, 8, 10, 11, 13, 14 and 15.	29·604, +·043, 3·6, 72·0, 57·8, 91·6, —0·3, 60·4, —1·3, 38, —9 and 2·3.	29·599, +·038, 3·7, 72·5, 57·9, 92·1, +0·2, 60·8, —0·9, 36, —11 and 2·5; <i>Omit (b) against the Station.</i>

MARCH 1931—contd.

Reference.	Figure Column.	For	Read
Bahraich	1, 2, 7 and 8.	29·475, +·036, 88·7 and +0·9.	29·476, +·037, 89·4 and +1·6.
Mainpuri	4.	5·1.	2·8.
Bareilly	6.	56·1.	55·8.
Dehra Dun	15.	2·4.	2·2.
Ludhiana	15.	1·6.	1·5.
Sialkot	1, 2, 10 and 11.	29·086, +·049, 52·9 and —1·7.	29·088, +·051, 53·0 and —1·6.
Montgomery	15.	2·1.	1·9.
Bahawalpur	10.	54·8.	54·7.
Dras	16, 17, 18 and 19.	0·75, —3·45, 3 and —7·8.	0·85, —3·35, 4 and —6·8.
Gilgit	7 and 8.	67·7 and +5·8.	67·4 and +5·5.
Kalat	4 and 17.	5·7 and —0·66.	5·3 and —0·72.
Veraval	7 and 8.	87·2 and +2·3.	87·4 and +2·5.
Surat	3.	N 1 E.	N 3 E.
Bhavnagar	3.	N 33 W.	N 31 W.
Bhopal	4.	3·7.	3·6.
Khandwa	16, 17, 18, 19 and 20.	0·01, —0·13, 0, —0·4 and 0·01.	0·10, —0·04, 1, +0·6 and 0·10.
Pendra	16 and 17.	0·68 and —0·66.	0·71 and —0·63.
Raipur	16 and 17.	0·53 and —0·16.	0·59 and —0·10.
Kanker	5, 13 and 20.	76·8, 50 and 0·08.	76·5, 52 and 0·36.
Chanda	5.	78·5.	78·6.
Marmagao	15.	3·7.	2·9.
Belgaum	15.	2·4.	2·5.
Aurangabad	15.	3·2.	3·1.
Gulbarga	3, 10 and 11.	S 43 E, 76·0 and +5·5.	S 39 E, 73·0 and +2·5.
Raichur,	15.	0·4.	0·5.
Cochin	10, 11, 16 and 17.	79·1, +1·8, 2·33 and +0·33.	78·6, +1·3, 2·34 and +0·34.
Trivandrum	16, 17, 18, 19 and 20.	0, —1·62, 0, —2·6 and 0.	0·21, —1·41, 1, —1·6 and 0·21.
Madura	1 and 2.	29·461 and +0·30.	29·463 and +0·32.
Negapatam	15.	5·1.	5·2.
Trichinopoly	4, 10 and 11.	3·1, 74·4 and +1·6.	3·0, 74·3 and +1·5.
Madras	15.	1·9.	2·0.
Bellary	16, 17 and 20.	0·03, —0·17 and 0·03.	0·04, —0·16 and 0·04.
Coconada	1 and 20.	29·915 and +0·34.	29·916 and +0·35.

MARCH 1931—concl'd.

Reference.	Figure Column.	For	Read
Vizagapatam . . .	15, 16 and 17.	2·9, 0·11 and —0·19.	3·0, 0·12 and —0·18.
Calingapatam. . .	1, 2, 3, 4 and 15.	29·911, +·032, N 87 W, 4·9 and 2·3.	29·912, +·033, N 89 W, 5·4 and 2·4.
Gopalpur	4, 7 and 8.	8·4, 84·2 and —2·6.	9·5, 87·4 and +0·6.
Mukteswar	1 and 2.	22·858 and +·054. (n)	22·869 and +·065. (n)
Mussooree	10.	(g) 43·2.	(g) 42·8.
Simla	1, 2, 5, 6, 7, 8, 10 and 11.	23·102, +·037, 50·2, 38·1 (d), 56·6, +0·1, 43·8 and +0·7.	23·101, +·036, 50·5, 38·4 (c), 56·9, +0·4, 44·1 and +1·0; <i>Omit (b) against the Station.</i>
Cherat	1, 2, 3, 5, 6, 7, 8, 10, 11 and 15.	25·745, +·051, N 25 W, 54·0, 43·0, 63·1, +2·7, 49·0, +2·2 and 4·1.	25·747, +·053, N 24 W, 54·3, 43·2, 63·5, +3·1, 49·2, +2·4 and 4·0; <i>Omit (b) against the Station.</i>
Mount Abu	15.	3·7.	2·9.
Coonoor	15.	2·0.	1·6.

APRIL 1921.

Reference.	Figure Column.	For	Read
Victoria Point . . .	1 and 2.	29-716 and +007.	29-717 and +008.
Mergui	1 and 2.	29-800 and +011.	29-801 and +012.
Tavoy	1, 2, 4, 5, 6, 10, 11 and 15.	29-861, +013, 2-9, 83-2, 76-9, 76-0, +1-5 and 4-5.	29-862, +014, 2-3, 83-1, 76-8, 75-5, +1-0 and 4-2.
Amherst	4, 5, 6 and 15.	9-7, 85-4, 78-3 and 6-5.	9-5, 85-3, 78-2 and 6-1.
Rangoon	4, 5, 8 and 15.	4-2, 82-3, 77-3 and 3-8.	4-3, 82-4, 77-4, and 3-4.
Bassein	4, 6 and 15.	4-2, 79-8 and 3-6.	4-8, 79-9 and 3-3.
Diamond Island . . .	1, 2, 4, 5 and 15.	29-817, +009, 4-7, 84-1 and 5-2.	29-816, +008, 4-9, 83-9 and 4-7.
Gwa	4, 5, 6, 7 and 15.	9-5, 83-0, 78-3, 88-6 and 2-2.	10-5, 82-9, 77-9, 88-8 and 2-1.
Toungoo	1, 2, 6 and 15.	29-694, +023, 76-5 and 4-6.	29-693, +022, 76-6 and 4-3.
Akyab	4, 6 and 15.	5-7, 77-5 and 5-8.	5-8, 77-4 and 5-1.
Yamethin	1, 2, 4, 6, 7, 8, 10, 11, 13, 14, 15, 16 and 17.	29-184, +021, 6-1, 74-3, 161-6, +0-9, 77-6, +1-5, 62, -2, 2-0, 1-89 and +0-39.	29-187, +024, 4-5, 74-2, 101-9, +1-0, 78-0 +1-9, 61, -3, 1-6, 1-92 and +0-42.
Monywa	1, 2, 4, 5, 6 and 15.	29-532, -008, 2-8, 83-9, 71-4 and 1-6.	29-531, -009, 2-1, 83-7, 71-3 and 1-4.
Maymyo	1, 2, 3, 4, 5 and 6.	26-405, +027, S 67 W, 1-9, 73-3 and 65-3.	26-397, +019, S 68 W, 1-5, 73-4 and 65-2.
Bhamo	4, 5 and 15.	3-5, 75-9 and 5-8.	5-4, 75-8 and 3-4.
Myitkyina	1, 2, 4, 5, 6, 7, 8 and 15.	29-347, +001, 5-4, 74-9, 67-7, 91-9, +3-6 and 5-3.	29-345, -001, 5-5, 74-8, 67-3, 92-0, +3-7, and 5-0.
Sibsagar	5, 7 and 8.	72-7, 82-7 and +1-5.	72-1, 82-1 and +0-9.
Dhubri	16 and 17.	7-98 and +2-84.	8-10 and +2-96.
Silchar	6, 7, 8, 16 and 17.	73-2, 90-1, +2-4, 10-08 and -4-25.	73-0, 90-2, +2-5, 10-27 and -4-06.
Chittagong	16 and 17.	1-58 and -3-89.	1-83 and -3-64.
Jessore		Omit the figures in columns 8 and 11.	
Saugor Island	15.	5-7.	5-9.
Mymensingh	8.	-8-1.	+1-9.
Jalpaiguri	15.	5-3.	5-0.
Chandbali	16, 18 and 20.	0-40, 1 and 0-34.	0-91, 3 and 0-52.
Patna	5, 13 and 14.	84-5, 42 and -9.	84-1, 43 and -8.
Gorakhpur	1 and 2.	29-461 and -020.	29-462 and -019.
Benares	1, 2, 3, 5, 6, 7, 8, 10 and 11.	29-469, -028, S 37 W, 86-6, 67-0, 105-3, +3-2, 73-1 and +1-7.	29-468, -029, S 41 W, 86-8, 67-1, 105-4, +3-3, 73-3 and +1-9.
Allahabad	1 and 2.	29-423 and -013.	29-425 and -011.
Jhansi	10 and 11.	76-0 and -0-1.	76-1 and 0.

APRIL 1931—*contd.*

Reference.	Figure Column.	For	Read
Bareilly	15.	1.7.	1.5.
Hissar	5 and 6.	81.3 and 68.4.	81.1 and 68.2.
Ludhiana	16, 17 and 20.	0.02, -0.83 and 0.62.	0.08, -0.77 and 0.04.
Khushab	1, 2, 7, 8, 10 and 11.	29.142, -0.11, 96.9 (d), +4.3, 72.0 (c), and +5.3.	29.141, -0.12, 96.8, +4.2, 71.7 and +5.0
Page 30		<i>Omit the footnote "(c) mean of 29 days".</i>	
Lyallpur	1, 2, 3, 5, 6, 7, 8 and 15.	29.157, -0.02, N 19 W, 78.6, 63.0, 96.2, +4.6 and 3.5.	29.156, -0.03, N 16 W, 78.7, 63.3, 96.1, +4.5 and 3.2.
Montgomery	15.	1.4.	1.3.
Multan	1, 2 and 4.	29.324, -0.08 and 2.9.	29.326, -0.06 and 2.8.
Bahawalpur	1 and 4.	29.379 and 3.1.	29.375 and 3.2.
Peshawar	1 and 2.	28.653 and +0.03.	28.650 and 0.
Fort Sandeman	16 and 17.	0.86 and -0.53.	0.87 and -0.52.
Quetta	1 and 2.	24.676 and +0.33.	24.674 and +0.31.
Chaman	16 and 17.	0.14 and -0.54.	0.15 and -0.53.
Dalbandin	5, 6 and 15.	66.4, 56.3 and 3.2.	66.2, 56.0 and 3.1; <i>Omit (c) against the Station.</i>
Jhalrapatan	15.	1.1.	0.8.
Bhuj	10 and 11.	73.4 and +2.1.	72.9 and +1.6.
Rajkot	1, 2, 3, 4, 5, 6, 13, 14 and 15.	29.392, +0.01, N 71 W, 8.1, 82.0, 71.7, 58, -5 and 1.4.	29.389, -0.02, N 73 W, 8.0, 82.1, 71.9, 59, -4 and 1.7; <i>Omit (c) against the Station.</i>
Nowgong	4, 7 and 8.	2.9, 106.4 and +4.6.	2.7, 106.3 and +4.5 and <i>reject the figures in columns 1 and 2.</i>
Page 31		<i>Omit the footnote "(p) mean of 16 days".</i>	
Pendra	1 and 2.	27.758 and -0.03.	27.757 and -0.04.
Jagdapur	15.	1.2.	1.5.
Marmagao	15.	7.3.	5.7.
Malegaon	5 and 15.	88.7 and 2.2.	88.8 and 2.1.
Bijapur	1 and 2.	27.897 and +0.18.	27.898 and +0.19.
Gulbarga	5, 10, 11, 13 and 14.	87.9, 80.5, +4.2, 38 and -9.	87.6, 79.3 (c), +3.0, 39 and -8.
Hyderabad (Deccan)	7, 8 and 9.	102.9 (k), +1.7 and 109.	103.6, +2.4 and 110.
Cochin	15.	6.4.	6.3.
Madura	4.	3.6.	3.4.
Negapatam	4.	7.2.	7.5.
Trichinopoly	1, 2, 16, 17, 18 and 19.	29.588, +0.11, 4.90, +3.25, 3 and +1.2.	29.589, +0.12, 5.02, +3.37, 4 and +2.2.

APRIL 1931—concl'd.

Reference.	Figure Column.	For	Read
Salem	4.	4.2.	4.0.
Bellary	15.	3.1.	2.9.
Kurnool	1, 2, 6, 13 and 14.	28.894, +.018, 72.6, 42 and -12.	28.897, +.021, 73.1, 44 and -10.
Masulipatam	15.	4.8.	4.0.
Calingapatam	3, 5, 6, 7, 8, 10 and 11.	S 59 W, 85.4, 79.7, 92.0, -1.1, 78.4 and +0.5.	S 57 W, 85.8, 80.1, 92.2, -0.9, 78.8 and +0.9.
Topalpur	3.	S 31 W.	S 35 W.
Maymyo	1 and 2.	26.405 and +.027.	26.398 and +.020.
Mukteswar	1, 2, 10 and 11.	22.814, +.007, 55.6 and +5.9.	22.817, +.010, 55.7 and +6.0.
Coonoor	1 and 15.	23.433 and 4.6.	23.434 and 3.4.
Page 32		<i>Omit</i> the footnote "(k) mean of 21 days".	

MAY 1931.

Reference.	Figure Column.	For	Read
Mergui	1 and 2.	29-749 and +002.	29-748 and +001.
Tavoy	1, 2, 4, 5, 7, 8, 10, 11, 12, 13, 14 and 15.	29-801, +003, 3-0, 82-4, 92-3, +3-4, 76-7, +1-2, 73, 80, -7 and 7-4.	29-804, +006, 2-4, 82-2, 92-2, +3-3, 76-3, +0-8, 72, 81, -6 and 7-7.
Amherst	1, 5, 6 and 15.	29-733, 81-9, 77-5 and 8-0.	29-734, 81-8, 77-4 and 7-7.
Rangoon	1, 2, 5, 6, 7, 8 and 15.	29-771, +008, 83-4, 78-8, 93-7, +2-0 and 5-9.	29-770, +007, 83-5, 78-9, 93-6, +1-9 and 6-1.
Bassein	1, 2, 5, 15, 16 and 17.	29-758, +013, 84-9, 6-1, 5-53 and -4-31.	29-761, +016, 85-1, 6-0, 5-45 and 4-39.
Diamond Island	4 and 15.	6-8 and 6-3.	7-4 and 6-5.
Gwa	1, 3, 4, 5 and 15.	29-768 N 38 E, 7-7, 84-7 and 5-4.	29-767, N 41 E, 7-4, 84-6 and 4-8.
Toungoo	5, 13, 14, 16 and 17.	83-3, 73, -8, 2-96 and -4-76.	83-2, 74, -7, 3-01 and -4-71.
Akyab	5 and 6.	83-0 and 78-0.	83-1 and 78-1.
Yamethin	1, 2, 4, 15, 16 and 17.	29-130, +026, 6-8, 4-0, 4-30 and -1-50.	29-124, +020, 5-1, 3-9, 4-39 and -1-41.
Monywa	1, 2, 3, 4, 5, 13, 14 and 15.	29-464, -004, S 77 E, 2-7, 84-2, 63, -5 and 3-0.	29-466, -002, S 85 E, 2-2, 84-1, 65, -3 and 2-9.
Maymyo	2, 4, 5, 6 and 15.	+010, 2-7, 74-2, 68-3 and 2-5.	+011, 1-8, 74-1, 68-2 and 2-7.
Lashio	1, 2, 4, 5, 7, 8, 10, 11, 16 and 17	26-994, +003, 3-1, 73-7, 87-0, -0-2, 66-7, -0-1, 5-51 and 1-40.	26-993, +002, 2-8, 73-8, 86-9, -0-3, 66-9 0, 5-60 and -1-31.
Bhamo	1, 2, 4 and 6.	29-348, -004, 2-9 and 72-9.	29-349, -003, 2-5 and 73-0.
Myitkyina	1, 2, 4, 6, 13 and 14.	29-270, +005, 3-6, 72-2, 76 and -3.	29-268, +003, 3-4, 72-1, 75 and -4.
Sibsagar	11.	+0-1.	0.
Dhubri	16, 17, 18 and 19.	16-83, +2-14, 10 and +4-1.	21-35, +6-66, 24 and +9-1.
Silchar	16, 17, 18 and 19.	16-28, +0-69, 20 and +3-9.	17-44, +1-85, 21 and +4-9.
Cox's Bazar	4.	4-0 (b).	4-0.
Chittagong	4.	9-0.	9-0 (b).
Jessore		Omit the figures in columns 8 and 11.	
Dinajpur	2 and 3.	+005 and S 83 E.	-005 and S 85 E.
Jalpaiguri	16, 17, 18, 19 and 20.	7-35, -3-72, 15, +2-6 and 2-05.	12-43, +1-36, 17, +4-6 and 2-60.
Balasure	16 and 17.	2-51 and -2-50.	2-57 and -2-44.
Chandbali	16.	2-77.	2-33.
Chaibasa	16, 17, 18 and 19.	2-50, -0-73, 5 and -0-8.	2-64, -0-59, 6 and +0-2.
Darbhangha	16, 17, 18, 19 and 20.	0-06, -2-72, 0, -4-1 and 0-06.	1-02, -1-76, 2, -2-1 and 0-68.
Page 35	Against Madras, under heading	"Departure from normal of minimum temperature" for +1-5, read +1-3.	
Page 36	Against Malabar, under heading	departure from normal of minimum temperature for +1-9, read +1-0.	
Gorakhpur	16 and 17.	0-68 and -0-79.	0-75 and -0-72.

MAY 1931—contd.

Reference.	Figure Column.	For	Read
Agra	4.	4.5.	4.6 (b).
Hissar		<i>Reject the figures in columns 6, 13 and 14.</i>	
Ludhiana	1 and 2.	28.799 and —.010.	28.798 and —.011.
Khushab	1 and 2.	29.015 and +.004.	29.010 and —.001.
Lyalpur	1, 2, 3, 7; 8, 10, 11 and 15.	29.022, +.014, N 72 E, 101.4, —1.4, 73.2, —0.4 and 2.8.	29.023, +.015, N 77 E, 101.5, —1.3, 73.5, —0.1 and 2.7; <i>Omit (b) against the Station.</i>
Montgomery	1, 2, 7, 8, 10 and 11.	29.045, —.001, 103.6, —2.8, 75.2 and —2.3.	29.046, 0, 103.5, —2.9, 75.4 and —2.1.
Khanpur	4 and 15.	3.2 and 1.4.	3.4 (d) and 0.8.
Page 38		<i>Insert "(d) mean of 28 days" as a footnote.</i>	
Skardu	11, 16 and 17.	—1.5, 1.67 and +0.71.	—2.1, 1.16 and +0.20.
Peshawar	1, 2, 3, 5, 6, 7, 8, 10, 11 and 15.	28.508, —.001, N 64 N, 83.9, 65.8, 96.0, —0.8, 69.5, —0.7 and 5.2.	28.510, +.001, N 68 E, 83.7, 65.7, 95.5, —1.3, 69.3, —0.9 and 5.1; <i>Omit (b) against the Station.</i>
Dera Ismail Khan	10 and 11.	73.6 and —1.2.	73.2 and —1.6.
Fort Sandeman	1, 2, 7 and 8.	25.285, —.004, 87.7 and —4.3.	25.284, —.005, 87.8 and —4.2; <i>Omit (b) against the Station.</i>
Bikaner	20.	0.0.	0.20.
Bhavnagar	7 and 8.	106.1 and +1.1.	106.3 and +1.3.
Neemuch	15.	0.6.	0.4.
Nowgong	10 and 11.	80.1 (b) and +0.4.	80.2 and +0.5.
Sutna	16, 17, 18 and 19.	0.09, —0.39, 0 and —1.3.	0.32, —0.16, 1 and —0.3.
Khandwa	1, 2, 3, 4, 7, 8, 10, 11 and 15.	28.672, —.004, N 71 W, 9.8, 108.0, +1.3, 83.2, +2.2 and 0.3.	28.673, —.003, N 74 W, 10.4, 108.1, +1.4, 83.3, +2.3 and 0.4; <i>Omit (b) against the Station.</i>
Saugor	1 and 2.	27.874 and —.015.	27.876 and —.013.
Pendra	7 and 8.	101.9 (c) and +0.8.	101.7 (c) and +0.6.
Kanker	10.	83.5.	83.4.
Chanda	16, 17 and 20.	0, —0.71 and 0.	0.09, —0.62 and 0.09.
Jagdapur	15.	2.2.	2.3.
Malegaon	15.	0.7.	0.8.
Ahmadnagar	4.	6.5.	6.3.
Aurangabad	1, 2, 4 and 6.	27.882, —.001, 8.4 and 68.2.	27.883, 0, 7.6 and 68.1.
Parbhani	16, 17 and 20.	0, —1.35 and 0.	0.09, —1.26 and 0.09.
Nizamabad	1, 2 and 15.	28.475, —.013 and 1.9.	28.474, —.014 and 1.8.
Gulbarga	1, 2 and 5.	28.255, +.003 and 86.2.	28.252, 0 and 86.3.

MAY 1931—concl'd.

Reference.	Figure Column.	For	Read
Raichur	6, 13 and 14.	76.0, 58 and +2.	76.1 (c), 59 and +3.
Hyderabad (Dn.)	1, 2, 7 and 8.	28.036, +.009, 106.4 (d) and +3.3.	28.035, +.008, 106.5 and +3.4.
Hanamkonda	7, 8, 10 and 11.	108.4 (b), +5.0, 82.7 (b) and +1.4.	108.5, +5.1, 83.2 and +1.9.
Calicut	16, 17, 18 and 19.	6.64, -1.89, 6 and -2.5.	6.74, -1.79, 7 and -1.5.
Trivandrum	10 and 11.	83.9 and +6.9.	80.4 and +2.5.
Pamban	3, 6, 13 and 14.	S 10 W, 80.4, 74 and -4.	S 11 W, 80.7, 76 and -2.
Coimbatore	6, 13 and 14.	74.3, 71 and -9.	74.6, 74 and -6.
Salem	4 and 15.	4.7 (h) and 3.3.	4.6 (j) and 3.2.
Page 40	<i>Omit</i> the footnotes, "(h) mean of 24 days," "(d) mean of 28 days" and "(f) mean of 26 days."		
Cuddalore	7, 8, 10 and 11.	97.5, -0.9, 80.9 and +0.6.	97.3, -1.1, 81.0 and +0.7.
Bellary	5.	64.7.	84.7.
Kurnool	8.	+0.1.	+0.1.
Masulipatam	15.	3.3.	2.5.
Vizagapatam	1, 2, 4, 7, 8, 10 and 11.	29.586, +.007, 5.8, 91.3, -0.7, 82.0 and +1.2.	29.582, +.003, 6.3, 91.4, -0.6, 82.1 and +1.3.
Calingsapatam	1 and 2.	29.681 and +.002.	29.680 and +.001.
Gopalpur	4, 16 and 17.	13.1, 0.03 and -1.94.	14.9, 0.04 and -1.93.
Murree	15, 16, 17, 18, 19 and 20.	1.8, 2.93, +0.06, 5, 0 and 0.76.	1.6, 4.03, +1.16, 7, +2.0 and 0.87.
Drosh	4, 5, 6, 7, 8, 10, 11, 13, 14, 15, 16, 17, 18, 19 and 20.	2.4, 60.4, 55.0, 76.3, -5.9, 55.0, -4.2, 70, +16, 4.2, 2.97, +1.02, 9, +4.9 and 0.68.	2.8, 59.5, 54.5, 74.5, -7.7, 54.4, -4.8, 72, +18, 4.7, 4.75, +2.80, 12, +7.9 and 0.75; <i>Omit</i> (f) against the Station.
Coonoor	15.	5.2.	3.9.

JUNE 1931.

Reference.	Figure Column.	For	Read
Tavoy	4, 5, 6, 10, 11, 13, 14 and 15.	3·1, 78·4, 76·6, 75·6, +0·6, 92, 0 and 9·0.	2·6, 78·1, 76·8, 75·5, +0·5, 94, +2 and 9·1.
Amherst	4, 5, 6, 15 and 16.	8·8, 80·4, 77·5, 9·7 and 23·10.	9·0, 80·3, 77·3, 9·4 and 24·93.
Rangoon	1, 2, 4 and 15.	29·702, —012, 3·3 and 8·9.	29·703, —011, 3·5 and 8·8.
Diamond Island	1, 2, 6, 13, 14 and 15.	29·654, —014, 78·3, 86, +2 and 8·2.	29·656, —012, 79·2, 85, +1 and 8·4.
Monywa	1, 2, 4, 6 and 15. .	29·397, —011, 3·9, 77·9 and 5·9.	29·380, —010, 3·7, 78·0 and 6·0.
Maymyo	1, 2, 4, 5, 13, 14 and 15.	26·258, +·006, 2·3, 74·0, 86, —1 and 5·3.	26·257, +·005, 1·6, 73·7, 8·9, +2 and 5·6.
Bhamo	1, 2, 4 and 15.	29·257, —011, 2·5 and 9·4.	29·258, —010, 2·0 and 9·5.
Bassein	1, 4, 5, 6, 13, 14 and 15.	29·679, 3·0, 81·6, 78·6, 87, —5 and 8·2.	29·682, 2·9, 81·5, 78·7, 88, —4 and 8·3.
Yamethin	1, 2, 4, 5, 13 and 14.	29·057, +·016, 8·8, 81·8, 80 and —2.	29·059, +·018, 7·0, 82·0, 79 and —3.
Lashio	1, 2, 5, 6 and 15.	26·921, +·002, 75·2, 71·4 and 6·7.	26·920, +·001, 75·3, 71·3 and 6·6.
Gauhati	16, 17, 18 and 19.	9·44, —4·39, 11 and —5·1.	9·60, —4·23, 12 and —4·1.
Dhubri	16, 17, 18, 19 and 20.	9·25, —14·57, 14, —3·9 and 2·45.	13·76, —10·06, 16, —1·9 and 2·75.
Silchar	16, 17, 18 and 19.	23·65, +1·97, 19 and —1·8.	24·09, +2·41, 20 and —0·8.
Cox's Bazar	7 and 8.	88·4 and +2·1.	88·5 and +2·2.
Chittagong	1 and 2.	29·554 and +·021.	29·553 and +·020.
Barisal	16, 17, 18 and 19.	8·93, —7·40, 10 and —7·2.	9·48, —6·85, 11 and —6·2.
Jessore	1.	29·587.	29·541 and <i>Omit</i> the figures in columns 8 and 11.
Mymensingh	16, 17 and 20.	16·72, —1·99 and 2·15.	18·99, +0·28 and 4·07.
Dinajpur	16, 17, 18 and 19.	5·63, —8·42, 9 and —5·1.	5·73, —8·32, 10 and —4·1.
Jalpaiguri	16, 17 and 20.	27·62, +3·89 and 3·22.	32·82, +9·09 and 3·75.
Cuttack	16 and 17.	5·73 and —4·35.	5·75 and —4·33.
Ranchi	1, 8, 11, 14, 17 and 19.	27·454, +12·3, +3·8, —37, —7·03 and —11·5.	27·451, +5·7, +2·2, —24, —1·94 and —6·2.
Naya Dumka	16, 17, 18 and 19.	5·44, —4·63, 9 and —3·2.	5·82, —4·25, 10 and —2·2.
Darbhanga	1 and 2.	29·374 and —009.	29·375 and —008.
Cherrapunji	16 and 17.	139·03 and 43·11.	139·17 and 43·25.
Amherst	16.	23·10.	24·93.
Lucknow	16, 17, 18 and 19.	1·02, —3·45, 3 and —2·5.	1·20, —3·27, 4 and —1·5.
Bahraich	7 and 8.	104·8 and +6·7.	105·3 and +7·2.
Bareilly	16, 17, 18 and 19.	1·58, —3·56, 1 and —4·3.	1·70, —3·44, 2 and —3·3.
Ludhiana	4.	4·6.	2·7.

JUNE 1931—contd.

Reference.	Figure Column.	For	Read
Rawalpindi	1, 2, 4, 5, 10, 11 and 15.	27·879, +·022, 3·2, 92·1, 74·4, —1·3 and 1·8.	27·878, +·021, 3·3, 92·2, 74·6, —1·1 and 1·9; <i>Omit (c)</i> against the Station.
Lyallpur	1, 2, 3, 4, 5, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 and 20.	28·916, +·064, S 17 W, 3·4, 91·8, 105·8, —0·3, 79·7, —2·5, 73, 34, —15, 2·0, 0·49, —0·84, 2, 0 and 0·22.	28·918, +·066, S 8 W, 3·5, 91·4, 105·9, —0·2, 79·4, —2·8, 71, 35, —14, 1·9, 0·96, —0·37, 3, +1·0 and 0·47; <i>Omit (c)</i> against the Station.
Multan	15.	2·4.	0·7.
Bahawalpur	1.	29·134.	29·135.
Dera Ismail Khan	1 and 2.	28·948 and +·061.	28·943 and +·056.
Chaman	16, 17 and 20.	0, —0·02 and 0.	0·04, +0·02 and 0·04.
Dalbandin	16, 17 and 20.	0, —0·02 and 0.	0·05, +0·03 and 0·05.
Mirjawa	15.	0·8.	0·6.
Kotah	16 and 17.	0·22 and —2·72.	0·21 and —2·73.
Jhalrapatan	16 and 18.	0·83 and 3.	0·93 and 4.
Veraval	1, 2, 3, 4, 10, 11 and 15.	29·661, +·055, S 87 W, 10·0, 82·7, +1·5 and 4·6.	29·662, +·056, S 83 W, 10·1, 82·6, +1·4 and 4·4; <i>Omit (c)</i> against the Station.
Sutna	16, 17, 18, 19 and 20.	1·73, —4·19, 3, —3·4 and 0·64.	1·93, —3·99, 4, —2·4 and 0·66.
Akola	15.	3·4.	3·2.
Khandwa	16, 17, 18 and 19.	4·10, —1·32, 7 and 0.	3·50, —1·92, 6 and —1·0.
Hoshangabad	16, 17 and 20.	1·57, —4·60 and 1·06.	3·01, —3·16 and 1·59.
Saugor	16, 17, 18 and 19.	1·67, —4·80, 6 and —2·1.	1·60, —4·87, 5 and —3·1.
Pendra	1, 2, 16, 17, 18 and 19.	27·570, +·032, 4·52, —4·01, 7 and —5·2.	27·568, +·030, 4·36, —4·17, 6 and —6·2.
Raipur	1, 2, 5, 7, 8, 13 and 14.	28·600, +·008, 88·4, 104·0, +6·7, 51 and —15.	28·599, +·007, 88·2, 104·2, +6·9, 52 and —14.
Kanker	10.	79·8.	79·9.
Jagdalpur	7 and 8.	97·4 and +7·1.	97·7 and +7·4.
Marmagao	4.	7·9.	8·0.
Malegaon	10, 11 and 12.	76·2, +1·1 and 56.	76·6, +1·5 and 66.
Ahmadnagar	10 and 11.	74·8 and +2·9.	74·9 and +3·0.
Belgaum	15.	7·4.	7·5.
Gulbarga	4.	8·8.	9·1 (c).
Raichur	1, 2, 5, 6, 7, 8 and 15.	28·405, +·021, 81·7, 75·4, 96·7, +1·5 and 2·0.	28·404, +·020, 81·6, 75·3, 96·6, +1·4 and 1·9.
Hyderabad (Dn.)	1 and 2.	27·982 and +·029.	27·980 and +·027.
Chitaldrug	1 and 2.	27·364 and +·016.	27·363 and +·015.
Cochin	1 and 2.	29·807 and +·005.	29·806 and +·004.

JUNE 1931—concl'd.

Reference.	Figure Column.	For	Read
Trichinopoly	15.	4.9.	5.0.
Coimbatore	6, 13 and 14.	72.4, 70 and —10.	72.7, 72 and —8.
Salem	6, 10, 11 and 15.	75.2, 76.7, +2.1 and 6.2.	75.3, 77.3, +2.7 and 6.1.
Madras	4.	5.8.	5.7.
Vizagapatam	1, 2, 4, 10 and 11.	29.456, —0.12, 4.9, 82.7 and +2.5.	29.457, —0.11, 4.7, 82.6 and +2.4.
Calingapatam. . . .	10, 11 and 15.	82.6, +2.6 and 6.1.	82.3, +2.3 and 6.3.
Gopalpur	1, 2, 5, 7, 8 and 15.	29.509, +.005, 87.1, 92.5, +2.9 and 4.9.	29.510, +.006, 86.8, 92.4 +2.8 and 5.0.
Mussooree	1, 5, 6, 7, 10, 13 and 15.	23.270, 68.7, 56.6, 78.5, 63.2, 48 and 3.1.	23.269, 68.8, 56.5, 78.7, 63.3, 46 and 3.0 ; <i>Omit (c) against the Station.</i>
Simla	5, 10 and 11.	69.7, 62.1 and +2.5.	70.0, 62.2 and +2.6.
Murree	15, 16, 17 and 20.	1.5, 4.27, +0.41 and 1.60.	1.2, 4.85, +0.99 and 1.75.
Parachinar	4.	3.7.	3.2.
Coonoor	1.	23.373.	24.373.
Aurangabad	3, 15, 16, 17, 18, 19 and 20.	N 80 W, 7.2, 2.05, —3.38, 4, —3.5 and 1.27.	N 78 W, 7.2, 6.20, +0.77, 8, +0.5 and 1.41.
Parbhani	16, 17, 18, 19 and 20.	1.05, —7.74, 2, —6.5 and 0.91.	4.32, —4.47, 7, —1.5 and 2.17.
Nizamabad	6, 13 and 14.	77.2 (f), 74 and +6.	75.1 (o), 68 (o) and 0.
Page 47.	<i>Omit the footnote "(f) mean of 26 days" and insert "(o) mean of 17 days."</i>		

JULY 1931.

Reference.	Figure Column.	For	Read
Port Blair	2.	—038.	+033.
Victoria Point	2.	—037.	+036.
Mergui	2.	—034.	+037.
Tavoy	1, 2, 4, 5, 13, 14 and 15.	29-803, —035, 2-6, 77-1, 91, —2 and 8-3.	29-802, +038, 2-1, 76-8, 93, 0 and 8-7.
Amherst	4, 6 and 15.	8-8, 75-8 and 9-7.	9-0, 75-7 and 9-4.
Rangoon	1, 2, 4, 6, 13, 14 and 15.	29-749, —023, 3-5, 77-6, 91, —1 and 9-2.	29-748, +040, 3-6, 77-7, 92, 0 and 9-1.
Bassein	2, 4 and 15.	—026, 3-2 and 8-8.	+040, 3-0 and 9-0.
Diamond Island	2, 4, 5, 6 and 15.	—035, 8-4, 81-3, 78-3 and 8-9.	+030, 8-5, 81-2, 78-2 and 9-1.
Gwa	1, 4, 5, 6 and 15.	29-730, 3-6, 78-5, 77-4 and 9-3.	29-732, 3-2, 78-5, 77-3 and 7-2.
Toungoo	1, 2, 6 and 15.	29-603, —008, 75-9 and 9-6.	—29-601, +052, 76-1 and 9-6.
Kyaukpyu	2, 3, 15, 16 and 17.	—025, S 35 E, 8-9, 64-31 and +16-98.	+036, S 38E, 9-1, 64-99 and +17-66.
Akyab	2, 4, 5, 6 and 15.	—027, 10-8, 79-6, 77-7 and 9-7.	+033, 10-5, 79-7, 77-8 and 9-8.
Minbu	1, 2, 4, 6, 13 and 14.	29-508, —042, 6-2, 76-5, 77 and —6.	29-506, +017, 4-7, 76-8, 79 and —4.
Yamethin	1, 2, 3, 7, 8 and 15.	29-074, —016, S 1 E, 89-9, +0-2 and 8-7.	29-075, +042, S 3 E, 89-8, +0-1 and 8-9.
Mandalay	1, 2, 4, 5, 13, 14 and 15.]	29-410, —050, 8-4, 83-3, 73, —2 and 7-3.	29-414, +005, 8-3, 83-2, 74, —1 and 5-5.
Monywa	2, 4, 6 and 15.	—044, 4-8, 76-5 and 8-5.	+011, 4-7, 76-4 and 8-6.
Lashio	1, 2, 4, 6, 7, 8, 13, 14 and 15.	26-926, —034, 4-1, 70-0, 80-5, —2-6, 86, —2 and 9-6.	26-923, +020, 4-0, 69-9, 80-6, —2-5, 85, —3 and 9-3.
Bhamo	1, 2, 4, 5, 6, 13 and 14.	29-258, —039, 1-2, 78-7, 76-9, 92 and —1.	29-259, +012, 1-1, 78-6, 77-0, 93 and 0.
Myitkyina	2, 4, 5, 6, 13 and 14.	—032, 3-0, 77-2, 76-0, 94 and +2.	+017, 2-3, 77-0, 75-9, 95 and +3.
Maymye	2, 4, 6, 10, 11, 15, 16 and 17.	—023, 2-9, 69-6, 67-4, +1-4, 6-6, 4-31 and —1-97.	+031, 1-9, 69-5, 67-3, +1-3, 7-2, 4-32 and —1-96.
Silchar	16, 17, 18 and 19.	23-37, +3-63, 28 and +5-4.	23-65, +3-91, 29 and +6-4.
Cox's Bazar	16 and 17.	51-16 and +16-27.	51-22 and +16-33.
Barisal	16, 17, 18 and 19. j	14-95, —0-65, 28 and +7-6.	15-13, —0-47, 29 and +8-6.
Jessore		Omit the figures in columns 8 and 11.	
Berhampore	16 and 17.	14-74 and +3-89.	14-77 and +3-92.
Mymensingh	16.	13-49.	18-49.
Jalpaiguri	16, 17, 18 and 19.	33-98, +2-70, 26 and +4-1.	35-98, +4-70, 27 and +5-1.
Cuttack	16 and 17.	9-89 and —1-82.	9-91 and —1-80.
Darbhanga	16 and 17.	22-84 and +11-20.	23-17 and +11-53.

JULY 1931—contd.

Reference.	Figure Column.	For	Read
Allahabad	10 and 11.	80.8 and +1.0.	81.0 and +1.2.
Cawnpore	7 and 8.	94.5 and +0.7.	95.0 and +1.2.
Lucknow	16 and 17.	5.86 and -5.59.	5.62 and -5.83.
Mainpuri	10, 11, 16 and 17.	77.8, -2.8, 6.42 and -0.88.	77.4 (b), -3.2, 6.44 and -0.86.
Bareilly	16, 17, 18, 19 and 20.	9.36, -4.03, 11, -1.5 and 2.23.	11.81, -1.58, 14, +1.5 and 2.60.
Meerut	16 and 17.	4.62 and -4.47.	4.68 and -4.41.
Ludhiana	1, 2 and 4.	28.661 (b), -0.14 and 5.7.	28.662, -0.13 and 2.9.
Sialkot	7 and 8.	96.2 and -1.5.	96.4 and -1.3.
Multan	10 and 11.	83.3 and -1.2.	83.1 and -1.4.
Khanpur	1, 4, 5, 7 and 10.	29.154, 7.9, 89.6, 107.3 and 83.3.	29.160, 7.6, 89.5, 107.1 and 83.2.
Srinagar	16 and 17.	6.57 and +4.25.	6.52 and +4.20.
Sonamarg	16, 17 and 20.	8.89, +5.22 and 3.00.	8.79, +5.12 and 2.81.
Leh	10 and 11.	69.7 and -7.2.	69.8 and -7.1.
Gilgit	16, 17, 18 and 19.	2.15, +1.67, 5 and +3.4.	2.05, +1.57, 4 and +2.4.
Dalbandin	1.	27.748.	26.748.
Jaipur	1 and 2.	28.115 and +.008.	28.114 and +.007.
Veraval	18.	16.	11.
Sutna	16 and 17.	12.71 and -0.98.	12.75 and -0.94.
Akola	16, 17, 18 and 19.	9.54, +0.27, 16 and +4.0.	9.64, +0.37, 17 and +5.0.
Khandwa	16, 17, 18 and 19.	15.45, +6.84, 15 and +4.0.	15.55, +6.94, 16 and +5.0.
Seoni	10, 11, 16 and 17.	72.9, +0.6, 12.99 and -2.24.	72.7, +0.4, 13.89 and -1.34.
Pendra	1, 2, 4, 7, 8 and 9.	27.536, +.011, 4.2, 85.4 (s), +1.8 and 89.	27.535, +.010, 4.0, 85.3, +1.7 and 96.
Kanker	10.	74.4.	74.3.
Malegaon	4.	6.8.	6.6.
Raichur	3 and 5.	S 47 W and 78.5.	S 45 W and 78.4.
Hyderabad (Dn.)	5.	75.8.	75.7.
Pamban	15.	4.2.	4.1.
Madura	3, 15, 16, 17, 18 and 19.	N 72 W, 7.0, 2.38, +0.46, 5 and +2.4.	N 74 W, 7.1, 1.93, +0.01, 4 and +1.4.
Coimbatore	3.	S 31 W.	S 34 W.
Madras	10, 11 and 12.	78.4, -0.5 and 70.	78.6, -0.3 and 74.
Cuddapah	1 and 2.	29.308 and +.030.	29.309 and +.031.
Masulipatam	15.	7.6.	5.8.

JULY 1931--concl.

Reference.	Figure Column.	For	Read
Vizagapatam . . .	4, 10, 11 and 12.	5.0, 78.0, -0.6 and 71.	5.1, 78.4, -0.2 and 74.
Calingapatam. . .	1 and 2.	29.597 and +.034.	29.594 and +.031.
Gopalpur	10 and 11.	80.0 and +0.8.	79.9 and +0.7.
Simla	16 and 17.	6.69 and -10.19.	6.71 and -10.17.
Murree	15, 16, 17, 18, 19 and 20.	3.9, 17.97, +6.13, 13, +0.5 and 7.20.	2.8, 22.37, +10.53, 15, +2.5 and 8.75.
Cherat	1, 2, 16, 17 and 20.	25.449, -.006, 2.51, -0.96 and 1.05.	25.446, -.009, 2.48, -0.99 and 1.06.
Parachinar	1, 2, 4, 5, 6, 7, 8, 10, 11, 13, 14, 15, 16, 17, 18 and 19.	24.242, +.005, 2.9, 75.9, 63.6, 85.1, -2.0, 63.3, -3.0, 51, -6, 2.0, 4.84, +1.46, 8 and +1.5.	24.241, +.004, 2.8, 75.6, 63.5, 84.9, -2.2, 63.1, -3.2, 52, -5, 2.3, 5.12, +1.74, 9 and +2.5; <i>Omit (c) against the Station.</i>
Coonoor	1.	23.376.	24.376.

AUGUST 1931.

Reference.	Figure Column.	For	Read
Tavoy	1, 2, 4 and 5.	29-729, —059, 2-9 and 76-6.	29-730, —058, 2-3 and 76-5.
Amherst	1, 4, 6, 13 and 15.	29-651, 9-6, 76-3, 94 and 9-9.	29-650, 9-5, 76-2, 93 and 9-7.
Rangoon	1, 2, 5 and 15.	29-675, —059, 78-8 and 9-7.	29-676, —058, 78-9 and 9-5.
Bassien	4, 6, 13, 14 and 15.	3-4, 76-9, 92, —1 and 9-2.	3-3, 76-9, 93, 0 and 9-3.
Diamond Island	1, 4, 5 and 15.	29-627, 7-9, 80-4 and 9-6.	29-628, 8-1, 80-3 and 9-7.
Gwa	1, 4, 5, 6, 7 and 13.	29-660, 3-7, 78-7, 77-7, 83-8 and 95.	29-659, 3-2, 78-5, 77-6, 83-7 and 96.
Toungoo	6, 15, 16 and 17.	77-0, 9-3, 15-74 and —3-38.	77-1, 9-4, 15-87 and —3-25.
Kyaukpnyu	1, 2, 4 and 15.	29-604, —069, 4-8 and 9-2.	29-603, —070, 4-9 and 9-1.
Akyab	1, 2, 3, 4, 6, 13, 14 and 15.	29-578, —082, S 28 E (b), 9-9, (b) 77-7, 93, —1 and 9-7.	29-579, —081, S 27 E, 9-9, 77-8, 94, 0 and 9-8.
Page 61		<i>Omit the footnote "(b) mean of 30 days".</i>	
Minbu	4 and 15.	5-4 and 5-8.	4-7 and 6-1.
Yamethin	5, 6, 11 and 15.	79-8, 75-9, +1-8 and 7-7.	79-7, 75-8, +1-0 and 7-9.
Mandalay	1, 2, 5, 13, 14 and 15.	29-362, —081, 83-5, 77, —2 and 7-9.	29-367, —076, 83-6, 76, —3 and 6-3.
Monywa	1, 2 and 15.	29-332, —049 and 7-4.	29-341, —070 and 7-7.
Lashio	1, 2, 4 and 15.	26-875, —056, 2-8 and 8-8.	26-874, —057, 2-5 and 8-5.
Bhamo	1, 2, 3, 5, 13 and 14.	29-219, —068, N 27 E, 79-6, 92 and —1.	29-222, —065, N 38 E, 79-5, 93 and 0.
Myitkyina	1, 2, 4, 5, 6 and 15.	29-130, —059, 2-8, 80-3, 77-8 and 9-2.	29-129, —060, 2-2, 80-1, 77-7 and 9-3.
Maymyo	1, 2, 4, 5, 6, 10, 11 and 15.	26-219, —047, 1-3, 72-1, 70-0, 68-1, +2-2 and 6-7.	26-217, —049, 1-2, 72-0, 69-9, 68-2, +2-3 and 7-3.
Dhubri	16, 17, 18 and 19.	7-95, —5-59, 10 and —4-5.	8-13, —5-41, 11 and —3-5.
Silchar	1, 2, 4, 5, 7, 8, 10, 11, 16 and 17.	29-498, —0-62, 1-9, 82-2, 92-1, +2-5, 77-0, +1-1, 11-55 and —8-20.	29-495, —0-65, 2-0, 82-3, 92-2, +2-6, 78-0, +1-2, 11-71 and —8-04; <i>Omit (b) against the Station.</i>
Cox's Bazar	3.	S 29 E.	S 32° E.
Barisal	16 and 17.	18-07 and +4-45.	18-02 and +4-40.
Jeasore		<i>Omit the figures in columns 8 and 11.</i>	
Mymensingh	16, 17, 18 and 19.	11-20, —4-41, 14 and —5-1.	10-86, —4-78, 13 and —6-1.
Jalpaiguri	16, 17, 18 and 19.	29-54, +4-50, 20 and +0-1.	30-79, +5-75, 21 and +1-1.
Cuttack	16 and 17.	18-65 and +4-99.	18-67 and +5-01.
Sambalpur	16 and 17.	35-58 and +16-39.	35-59 and +16-40.
Ranchi	16 and 17.	11-25 and —1-92.	11-19 and —1-98.
Hazaribagh	16, 17, 18 and 19.	15-51, +2-37, 17 and —0-8.	15-92, +2-78, 18 and +0-2.

AUGUST 1931—*concl'd.*

Reference.	Figure Column.	For	Read
Darbhanga	16 and 17.	6.77 and —7.19.	6.88 and —7.08.
Gaya	16 and 17.	10.16 and —3.06.	10.26 and —2.96.
Bahraich	16 and 17.	4.24 and —9.01.	4.29 and —8.96.
Bareilly	16, 17, 18 and 19.	8.27, —4.00, 12 and —02.	9.87, —2.40, 13 and +0.8.
Jhansi	16 and 17.	13.00 and +1.75.	13.34 and +2.09.
Khanpur	1, 4, 5, 7 and 15.	29.157, 6.6, 89.6, 105.1 and 4.4.	29.156, 6.8, 89.4, 105.4 and 4.2 ; <i>Omit (b)</i> against the Station.
Jaipur	1 and 2.	28.100 and —070.	28.099 and —071.
Chaman	15.	1.3.	0.8.
Kalat	1, 2, 10 and 11.	23.553, —027, 57.7 and +8.5.	23.550, —030, 57.6 and +8.4.
Neemuch	16 and 17.	28.97 and +20.14.	29.00 and +20.17.
Bhopal	10 and 12.	73.8 and 73.	73.7 and 72.
Sutna	16 and 17.	9.48 and —3.30.	9.51 and —3.27.
Jhalrapatan	16.	21.74.	21.77.
Akola	16 and 17.	8.94 and +2.51.	8.98 and +2.55.
Surat	16 and 17.	15.84 and + 8.29.	15.85 and +8.30.
Hoshangabad	15.	9.7.	7.2.
Kanker	1.	28.252.	28.249.
Madura	10, 11, 12 and 15.	78.7, +2.7, 70 and 7.8.	78.9, +2.9, 73 and 7.7.
Cocanada	16 and 17.	6.53 and +1.04.	6.54 and +1.05.
Mukteswar	1 and 2.	22.697 and —019.	22.695 and —021.
Mussooree	3, 16 and 17.	S 13 W, 37.64 and +11.26.	S 13 E, 38.45 and +12.01.
Kodaikanal	16 and 17.	5.61 and —1.38.	5.63 and —1.36.
Coonoor	1.	23.360.	24.360.

SEPTEMBER 1931.

Reference.	Figure Column.	For	Read
Mergui	1 and 2.	29-753 and —017.	29-752 and —018.
Tavoy	4, 5, 13, 14 and 15.	1-9, 78-5, 91, —2, and 7-8.	1-5, 78-3, 92, —1 and 8-3.
Amherst	1, 4 and 15.	29-745, 5-7 and 9-8.	29-744, 5-6 and 9-3.
Rangoon	1, 2, 4, 6, 13, 14 and 15.	29-783, +005, 2-9, 77-9, 92, —1 and 9-2.	29-784, +006, 2-5, 78-0, 92, 0 and 9-0.
Bassein	4, 10 and 11.	2-9, 76-3 and +0-2.	3-1, 76-5 and +0-4.
Diamond Island	2 and 15.	—006 and 8-4.	+006 and 8-6.
Gwa	1, 4, 5, 6, 15 and 16.	29-768, 3-8, 80-3, 78-5, 9-1 and 14-61.	29-771, 3-0, 80-6, 78-3, 9-6 and 15-31.
Toungoo	1, 2, 6, 7, 8, 9, 13, 14 and 15.	29-643, +014, 76-7, 88-1, —0-9, 93, 90, 0 and 9-0.	29-644, +015, 76-8, 88-0, —1-0, 92, 91, +1 and 9-1.
Kyaukpyu	4, 6, 10, 11, 13, 14 and 15.	3-0, 78-8, 77-3, +0-9, 90, +1 and 7-5.	2-8, 78-6, 77-2, +0-8, 89, 0 and 7-8.
Akyab	4, 5 and 15.	8-1, 80-4 and 8-8.	8-0, 80-5 and 9-0.
Minbu	4, 5, 6 and 15.	3-9, 80-8, 77-7 and 6-4.	3-4, 80-9, 77-6 and 6-5.
Yamethin	1, 2, 4 and 15.	29-135, +006, 3-7 and 7-7.	29-136, +007, 3-5 and 8-0.
Mandalay	1, 2, 4, 6, 9 and 15.	29-513, —010, 3-6, 77-7, 97 and 7-9.	29-518, —005, 2-3, 77-8, 98 and 6-4.
Monywa	1, 2, 4, 5, 6, 13, 14 and 15.	29-495, +005, 1-8, 80-9, 77-6, 86, 0 and 7-5.	29-499, +009, 1-5, 80-8, 77-7, 87, +1 and 7-7.
Lashio	1, 2 and 4.	27-022, +008 and 2-7.	27-021, +007 and 2-0.
Bhamo	4, 5, 6, 13, 14 and 15.	1-5, 78-7, 76-5, 90, —2 and 8-6.	1-3, 78-6, 76-6, 91, —1 and 8-7.
Myitkyina	4 and 15.	2-2 and 9-2.	1-8 and 9-3.
Maymyo	1, 2, 4, 5, 7, 8, 10, 11 and 15.	26-354, +021, 1-2, 71-3, 78-0, +0-6, 66-7, +2-0 and 6-0.	26-353, +020, 1-0, 71-2, 77-9, +0-5, 66-6, +1-9 and 6-5.
Cox's Bazar	10 and 11.	76-8 and +1-3.	76-6 and +1-1.
Chittagong	4.	5-6 (c).	5-8.
Jessore		<i>Omit the figures in columns 8 and 11.</i>	
Jalpaiguri	16, 17, 18 and 19.	22-35, +2-41, 22 and +6-3.	22-55, +2-61, 23 and +7-3.
Cuttack	16 and 17.	9-73 and +0-16.	9-76 and +0-19.
Page 69		<i>Omit the footnote "(c) mean of 29 days".</i>	
Gorakhpur	16 and 17.	7-90 and —0-17.	7-60 and —0-47.
Cawnpore	1, 2, 6, 7, 8 and 15.	29-259, —007, 77-9, 91-3, —0-8 and 4-7.	29-258, —008, 78-0, 91-2, —0-9 and 4-8; <i>Omit (c) against the Station.</i>
Bahraich	7, 8, 16, 17, 18 and 19.	88-8, —2-3, 13-08, +4-36, 9 and +2-1.	89-2, —1-9, 13-24, +4-52, 10 and +3-1.
Bareilly	1 and 2.	29-123 and +0-12.	29-125 and +0-14.
Delhi		<i>Omit the figures in columns 8, 11 and 13.</i>	

SEPTEMBER 1931—contd.

Reference.	Figure Column.	For	Read
Ludhiana	16 and 17.	3.39 and -0.85.	3.41 and -0.83.
Khushab	16, 17 and 20.	0.71, -0.60 and 0.43.	1.61, +0.30 and +1.03.
Lyallpur	1, 2, 3, 5, 6 and 15.	29.075, +.020, S 7 E, 83.0, 74.9 and 2.1.	29.073, +.018, S 6 E, 83.1, 75.0 and 2.3; <i>Omit (c) against the Station.</i>
Multan	16, 17 and 20.	0, -0.41 and 0.	0.01, -0.40 and 0.01.
Sonamarg	16, 17, 18 and 19.	3.27, -0.20, 11 and +3.5.	3.08, -0.39, 10 and +2.5.
Bahawalpur	4 and 15.	3.2 and 0.2.	3.0 and 0.3.
Khanpur	1.	29.367.	29.364.
Skardu	16 and 17.	0.18 and -0.54.	0.19 and -0.53.
Gilgit	5.	68.0.	67.8.
Peshawar	4.	2.5.	1.8.
Dera Ismail Khan	4.	2.4.	1.7.
Fort Sandeman	15.	2.2.	1.7.
Chaman		<i>Omit the figures in columns 7, 8 and 9.</i>	
Page 70		<i>Omit the footnotes "(d) mean of 28 days" and "(s) mean of 13 days".</i>	
Miranshah	1, 5, 6, 7, 10 and 15.	26.680, 80.6, 69.5, 92.5, 70.8 and 0.3.	26.676, 80.8, 69.9, 92.6, 71.1 and 0.2; <i>Omit (d) against the Station.</i>
Jaipur	3.	N 57 W.	N 64 W.
Deesa	10 and 11.	74.8 and +0.7.	74.6 and +0.5.
Dwarka	7, 8 and 9.	85.4, -0.1 and 95.	85.1, -0.4 and 87.
Rajkot	5, 13 and 14.	78.7, 84 and +4.	78.8, 82 and +2.
Neemuch	4, 10 and 11.	6.0, 71.9 and +0.9.	5.5, 72.2 and +1.2.
Bhopal	1 and 16.	27.090 and 13.65.	28.090 and 14.65.
Sutna	16 and 17.	7.35 and +0.54.	7.36 and +0.55.
Khandwa	3 and 4.	N 81 W and 5.3.	N 82 W and 5.2.
Seoni	16 and 17.	8.43 and -0.61.	8.74 and -0.30.
Raipur	1 and 2.	28.718 and -0.010.	28.716 and -0.012.
Chanda	1 and 2.	29.039 and -0.056.	29.041 and -0.054.
Katnagiri	4.	6.4.	6.0.
Marmagao	1 and 2.	29.622 and -0.003.	29.623 and -0.002.
Pamban	15.	3.4.	3.6.
Trichinopoly	15.	4.1.	4.2.
Coimbatore	15.	5.6.	5.9.
Vellore	5, 7 and 8.	80.0, 88.7(n) and -3.3.	79.8, 88.0 and -4.0.

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Reference.	Figure Column.	For	Read
Madras	6.	75.8.	76.0.
Cuddapah	15.	7.1.	6.9.
Bellary	7, 8, 16, 17, 18 and 19.	88.2, -2.5, 4.86, -0.22, 7 and -0.7.	88.4, -2.3, 4.31, -0.77, 6 and -1.7.
Kurnool	7 and 8.	87.7 and -2.2.	87.5 and -2.4.
Masulipatam	16, 17, 18 and 19.	7.53, +1.33, 15 and +5.6.	7.26, +1.06, 14 and +4.6.
Vizagapatam	16, 17, 18 and 19.	5.34, -1.18, 10 and +1.5.	5.68, -0.84, 11 and +2.5.
Calingapatam	1 and 2.	29.673 and -0.009.	29.671 and -0.11.
Gopalpur	4 and 5.	5.8 and 82.7.	5.9 and 82.8.
Simla	16 and 17.	10.49 and +4.29.	10.55 and +4.35
Murree	15.	2.6.	2.3.
Cherat	1 and 2.	25.616 and +0.01.	25.613 and -0.02.
Parachinar	1, 2, 5, 6, 7, 8, 10, 11, 16 and 17.	24.391, +0.13, 72.0, 58.6, 81.5, +0.4, 59.7, +1.0, 1.36 and -0.82.	24.385, +0.07, 72.2, 58.8, 81.6, +0.5, 59.9, +1.2, 1.38 and -0.82; <i>Omit (c)</i> against the Station.
Coonoor	7 and 9.	71.6 and 76.	71.4 and 75.
Page 72		<i>Omit</i> the footnote "(n) mean of 18 days".	

OCTOBER 1931.

Reference.	Figure Column.	For	Read
Tavoy	4, 5, 13, 14 and 15.	2·3, 78·9, 79, —10 and 6·3.	1·8, 78·8, 80, —9 and 6·1.
Amherst	4, 6, 13 and 15.	4·9, 75·8, 80 and 6·4.	4·8, 75·8, 79 and 5·8 and <i>insert (e)</i> against the Station.
Page 77		<i>Insert the footnote “(e) mean of 27 days”.</i>	
Rangoon	1, 2, 4, 13 and 14.	29·851, —·001, 2·8, 82 and —8.	29·850, —·002, 2·1, 83 and —7.
Bassein	1, 2, 4, 13 and 14.	29·838, —·001, 3·1, 85 and —7.	29·836, —·003, 2·9, 84 and —8.
Diamond Island	4, 5, 6, 13, 14 and 15.	7·2, 81·8, 78·0, 84, 0 and 5·7.	7·1, 81·6, 78·1, 85, +1 and 5·9.
Gwa	1, 4, 5, 7, 12, 13 and 15.	29·853, 3·1, 80·5, 87·9, 68, 83 and 5·6.	29·852, 2·6, 80·3, 88·0, 69, 84 and 5·7.
Toungoo	5 and 6.	79·1 and 75·5.	79·2 and 75·7.
Kyaukpyu	4, 6 and 15.	3·0, 77·5 and 5·6.	3·2, 77·6 and 5·9.
Akyab	1, 2, 4 and 15.	29·834, —·002, 6·3 and 7·0.	29·833, —·003, 6·4 and 6·9.
Minbu	4, 5, 13 and 14.	3·1, 80·6, 79 and —5.	2·7, 80·5, 80 and —4.
Yamethin	4, 5, 6, 7, 8, 10, 11, 13, 14 and 15.	2·1, 78·9, 74·6, 90·2, —0·4, 73·4, —0·4, 81, —6 and 4·4.	1·6, 79·0, 74·7, 89·8, —0·8, 73·5, —0·3, 80, —7 and 4·3.
Mandalay	1, 2, 4, 5, 6, 13 and 14.	29·624, +·003, 1·1, 79·7, 76·7, 87 and +5.	29·623, +·002, 0·8, 79·8, 76·6, 86 and +4.
Monywa	1, 2, 4, 6, 13, 14 and 15.	29·615, +·013, 1·6, 75·8, 86, —1, and 6·2.	29·614, +·012, 1·5, 75·7, 85, —2 and 6·0.
Lashio	4, 5, 6, 10, 11, 13, 14 and 15.	1·7, 69·9, 67·3, 65·3, +1·4, 87, —6 and 6·5.	1·4, 70·1, 67·4, 65·1, +1·2, 86, —7 and 6·3.
Bhamo	1, 2, 4 and 6.	29·501, +·009, 1·5 and 73·7.	29·502, +·010, 1·3 and 73·8.
Myitkyina	4 and 6.	2·7 and 72·8.	2·0 and 72·9.
Maymyo	1, 2, 4, 5, 6, 13, 14 and 15.	26·447, +·031, 1·3, 70·9, 67·0, 81, —10 and 5·6.	26·446, +·030, 1·1, 70·8, 66·9, 82, —9 and 6·0.
Cox's Bazar	5, 10, 11, 16 and 17.	80·8, 75·3, +1·8, 4·44 and —3·02.	81·0, 75·1, +1·6, 4·43 and —3·03.
Narayanganj	1 and 2.	29·825 and —·010.	29·824 and —·011.
Jessore		<i>Omit the figures in columns 8 and 11.</i>	
Calcutta	11.	—1·7.	+1·7.
Saugor Island	16 and 17.	22·81 and +14·67.	21·76 and +13·62.
Balasore	16 and 17.	13·35 and +7·30.	13·28 and +7·23.
Chaibasa	16 and 17.	3·50 and +0·56.	3·56 and +0·62.
Ranchi	16 and 17.	8·79 and +5·95.	7·89 and +5·05.
Naya Dumka	19.	1·5.	—1·5.
Bareilly	1 and 2.	29·303 and +·025.	29·305 and +·027.
Dehra Dun	16, 17, 18 and 19.	2·76, +1·69, 5 and +3·6.	2·93, +1·86, 6 and +4·6.

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Reference.	Figure Column.	For	Read
Ambala	1, 2, 3, 5, 6, 10, 11, 15, 16, 17, 18 and 19.	28·974, +·020, S 67 E, 74·3, 67·7, 66·0, +4·6, 2·7, 1·38, +0·63, 1 and +0·3.	29·972, +·018, S 60 E, 74·8, 68·4, 66·9, +55, 2·9, 1·61, +0·86, 2 and +1·3; <i>Omit (e) against the Station.</i>
Lahore	15.	2·5.	2·2.
Rawalpindi	4.	2·6.	2·0.
Khushab	1 and 2.	29·259 and +·013.	29·257 and +·011.
Lyalpur	4.	2·4.	2·5.
Montgomery	15.	0·8.	1·0.
Bahawalpur	15.	0·5.	0·9.
Dras	4.	4·9.	4·4.
Peshawar	1, 2, 16 and 17.	28·724, +·002, 1·92 and +1·76.	28·725, +·003, 1·95 and +1·79.
Dera Ismail Khan	4, 6, 10, 11, 13 and 14.	2·5, 66·1, 63·8, +2·3, 58 and —2.	1·5, 65·8, 63·9, +2·4, 56 and —4.
Fort Sandeman	1, 2 and 15.	25·441, +·013 and 1·1.	25·436, +·008 and 0·9.
Chaman	4, 10, 11 and 15.	3·1, 55·5, +3·5 and 0·2.	3·3, 54·8, +2·8 and 0·3.
Miranshah	1, 5, 6, 7, 10 and 15.	26·899, 69·9, 58·9, 82·0, 58·0 and 0·2.	26·896, 70·0, 59·1, 82·5, 58·2 and 0·3.
Kalat	16 and 17.	1·34 and +0·78.	1·35 and +0·79.
Jhalrapatan	1.	28·804.	28·803.
Bhuj	10 and 11.	72·2 and +16.	72·3 and +1·7.
Dwarka	10 and 11.	74·4 and —1·6.	74·5 and —1·5.
Kotah	1, 2, 6, 16 and 17.	29·017, —015, 70·0, 1·34 and +0·78.	29·019, —013, 70·1, 1·39 and +0·83.
Veraval	6.	73·1.	73·2.
Surat	3.	N 78 E.	N 85 E.
Neemuch	3.	N 47 E.	N 44 E.
Nowgong	7, 10 and 11.	88·3 (b), 66·8 and +1·6.	88·3 (c), 66·7 and +1·5.
Sutna	16, 17, 18 and 19.	2·67, +0·57, 4 and +1·8.	2·86, +0·76, 5 and +2·8.
Saugor	4, 16, 17, 18 and 19.	3·8, 5·59, +4·57, 9 and +7·2.	4·4, 5·74, +4·72, 10 and +8·2.
Seoni	16, 17, 18, 19 and 20.	5·33, +3·44, 11, +8·1 and 1·74.	8·78, +6·89, 13, +10·1 and 1·77, and <i>Insert 27·813 and —032 in columns 1 and 2.</i>
Pendra	16, 17, 18 and 19.	9·32, +6·46, 11 and +7·5.	9·72, +6·86, 12 and +8·5.
Chanda	1 and 2.	29·155 and —071.	29·153 and —073.
Jagdapur	1 and 2.	27·983 and —060.	27·986 and —057.
Ratnagiri	6, 13 and 14.	74·3, 72 and —5.	74·5, 74 and —3.
Sholapur	16 and 17.	3·19 and —004.	3·21 and —002.

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Reference.	Figure Column.	For	Read
Bijapur	15.	5·7.	5·6.
Belgaum	15.	5·5.	5·7.
Raichur	1 and 2.	28·530 and —·012.	28·532 and —·014.
Madura	5, 6, 10, 11, 13 and 14.	85·2, 72·0, 76·6, +2·4, 51 and —25.	80·5, 72·3, 76·8, +2·6, 66 and —10.
Salem	15.	5·6.	5·7.
Masulipatam	16, 17, 18 and 19.	12·69, +4·59, 11 and +2·7.	13·24, +5·14, 12 and +3·7.
Vizagapatam	15, 16 and 17.	7·8, 14·17 and +7·10.	7·7, 14·21 and +7·14.
Calingapatam	1, 2, 4, 5, 6, 7, 8, 15, 16, 17, 18 and 19.	29·797, —·025, 7·4, 80·4, 77·3, 86·0, —2·6, 6·9, 11·84, +4·72, 9 and +2·0.	29·784, —·038, 7·6, 80·3, 77·5, 86·4, —2·2, 6·7, 14·57, +7·45, 10 and +3·0; <i>Omit (c) against the Station.</i>
Gopalpur	5, 10 and 11.	80·0, 76·2 and +1·5.	80·1, 76·0 and +1·3.
Murree	15.	2·8.	2·6.
Cherat	1 and 2.	25·757 and +·027.	25·746 and +·016.
Parachinar	1, 2, 5, 6, 7, 8, 10, 11, 13, 14, 15, 16, 17, 18 and 19.	24·511, +·033, 62·3, 50·5, 74·8, +0·3, 50·7, +1·9, 43, +2, 2·0, 1·95, +1·08, 5 and +2·8.	24·514, +·036, 61·7, 50·3, 73·9, —0·6, 50·2, +1·4, 44, +3, 2·2, 2·17, +1·30, 6 and +3·8; <i>Omit (c) against the Station.</i>
Mount Abu	6, 13 and 14.	60·4, 50 and +6.	60·0, 48 and +4.

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Reference.	Figure Column.	For	Read
Victoria Point . . .	1, 2, 6, 10, 11 and 15.	29-753, +027, 74-9, 74-3, -0-2 and 4-4.	29-752, +026, 74-8, 74-4, -0-1 and 4-5; Omit (c) against the Station.
Page 85 . . .		<i>Omit the footnote "(c) mean of 29 days."</i>	
Tavoy . . .	1, 2, 4 and 15.	29-907, +012, 2-1 and 4-1.	29-906, +011, 1-9, and 3-8.
Amherst . . .	4, 5, 6, 13 and 15.	5-3, 78-9, 71-8, 70 and 2-6.	5-1, 78-8, 71-7, 69 and 2-5.
Rangoon . . .	4, 6, 13, 14 and 15.	2-9, 70-8, 76, -10 and 1-5.	2-8, 70-6, 75, -11 and 1-3.
Bassein . . .	1, 2, 4, 5, 6, 13, 14 and 15.	29-927, +027, 3-1, 78-0, 71-6, 72, -15 and 1-7.	29-925, +025, 2-7, 77-9, 71-7, 73, -14 and 1-4.
Diamond Island . . .	1, 2, 4 and 15.	29-883, +016, 8-2 and 1-6.	29-884, +017, 8-1 and 1-7.
Gwa . . .	4, 5 and 6.	2-9, 75-3 and 71-7.	2-5, 75-2 and 71-6.
Toungoo . . .	1, 2, 6, 7, 8, 13, 14 and 15.	29-812, +036, 67-6, 86-6, -0-2, 83, -6 and 2-9.	29-811, +035, 67-7, 86-8, 0, 84, -5 and 2-8.
Kyaukpyu . . .	4 and 12.	3-2 and 67.	3-4 and 69.
Akyab . . .	1, 2, 4, 5, 13, 14 and 15.	29-941, +032, 5-0, 73-4, 85, -5 and 3-8.	29-942, +033, 4-9, 73-3, 86, -4 and 3-7.
Minbu . . .	1, 2, 4, 5, 10, 11 and 15.	29-803, +013, 3-7, 73-3, 66-0, -2-9 and 1-6.	29-802, +012, 3-5, 73-2, 66-1, -2-8 and 1-3.
Yamethin . . .	3, 4, 5, 13, 14 and 15.	N 5 W, 2-3, 71-0, 80, -6 and 2-6.	N 7 W, 1-9, 71-1, 79, -7, and 2-5.
Mandalay . . .	1, 2, 4, 6, 13 and 14.	29-727, +022, 1-2, 66-7, 87 and +3.	29-728, +023, 0-6, 67-4, 91 and +7.
Monywa . . .	1, 2 and 4.	29-726, +034 and 1-7.	29-725, +033 and 1-4.
Lashio . . .	1, 2, 4, 5, 7, 8, 13, 14 and 15.	27-188, +019, 2-0, 59-0, 75-9, -1-3, 87, -6, and 4-7.	27-190, +021, 1-5, 59-1, 75-8, -1-4, 86, -7 and 4-4.
Bhamo . . .	1, 2, 4, 5, 13 and 14.	29-616, +025, 1-5, 65-1, 86 and -6.	29-615, +024, 1-3, 64-9, 87 and -5.
Myitkyina . . .	1, 2, 4, 6 and 15.	29-534, +031, 1-7, 61-8 and 4-7.	29-533, +030, 1-6, 61-9 and 4-6.
Maymyo . . .	4, 6, 7, 8, 13, 14 and 15.	1-1, 58-7, 75-4, +2-1, 87, -4 and 1-8.	0-9, 58-6, 74-8, +1-5, 86, -5 and 1-5.
Sibsagor . . .	16 and 17.	1-78 and +0-68.	1-80 and +0-70.
Cox's Bazar . . .	10 and 11.	65-5 and -1-9.	65-3 and -2-1.
Jessore . . .	..	<i>Omit the figures in columns 8 and 11.</i>	
Ranchi . . .	1, 16 and 17.	27-812, 0-87 and +0-49.	27-812 (c), 0-80 and +0-42.
Gauhati . . .		<i>Insert 0 in column 20.</i>	
Dhubri . . .		<i>Insert 0 in column 20.</i>	
Jalpaiguri . . .		<i>Insert 0 in column 20.</i>	
Ambala . . .	4, 5, 6, 7 and 8.	2-9, 58-6, 52-4, 83-3 and +1-4.	2-8, 58-7, 52-5, 83-4 and +1-5; <i>Omit (c)</i> against the Station.
Bahawalpur . . .	15.	0-9.	1-0.

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Reference.	Figure Column.	For	Read
Dras	16, 17, 18 and 19.	0.53, +0.09, 1 and —0.2.	0.78, +0.34, 2 and +0.8.
Gilgit	7 and 8.	60.6 and —2.3.	60.7 and —2.2.
Dera Ismail Khan	15.	2.2.	2.1.
Miranshah	1, 5, 6, 7, 10 and 13.	27.049, 54.9, 46.0, 1.9, 45.7 and 48.	27.030, 54.4, 45.9, 75.9, 45.9 and 50.
Fort Sandeman	4.	1.0.	1.1.
Quetta	3, 7 and 8.	S 34 E, 67.1 and +3.0.	S 39 E, 67.0 and +2.9.
Chaman	10 and 11.	47.0 and +4.8.	46.3 and +4.1.
Kalat	1, 2 and 15.	23.808, +0.04 and 1.8.	23.809, +0.05 and 1.5.
Kotah	15.	1.3.	1.5.
Jhalrapatan	16, 18 and 20.	0.04, 0 and 0.04.	0.22, 1 and 0.18.
Deesa	4.	4.4.	4.2.
Surat	3 and 15.	N 71 E and 2.0.	N 70 E and 2.6.
Bhavnagar	15.	2.5.	2.7.
Ahmadabad	15.	1.6.	1.8.
Indore	16 and 17.	1.07 and +0.66.	1.08 and +0.67.
Nowgong	7 and 8.	79.7 (g) and —2.4.	79.9 (g) and —2.2.
Pendra	15.	1.7.	1.9.
Seoni	7, 8, 10, 11, 16, 17, 18, 19 and 20.	79.8, —1.7, 55.5, 0, 0.67, +0.08, 1, +0.1 and 0.65.	79.6, —1.9, 55.9, +0.4, 2.29, +1.70, 2, +1.1 and 1.64.
Raipur	5.	68.6.	68.8.
Kanker	4.	3.1.	3.0.
Chanda	1, 2 and 15.	29.332, +.003 and 2.1.	29.337, +.008 and 2.2.
Jagdalpur	15.	4.5.	4.6.
Malegaon	10, 11, 16 and 17.	59.1, +1.4, 2.64 and +2.03.	58.9, +1.2, 1.64 and +1.03.
Ahmadnagar	1 and 2.	27.814 and +.009.	27.815 and +.010.
Sholapur	16 and 17.	2.37 and +1.32.	3.42 and +2.37.
Bijapur	4.	2.6.	2.7.
Aurangabad	10 and 11.	60.7 and +0.7.	60.5 and +0.5.
Trivandrum	16, 17, 18 and 19.	6.81, +0.22, 7 and —2.5.	7.27, +0.68, 8 and —1.5.
Pamban	16 and 17.	14.48 and +2.48.	14.50 and +2.50.
Coimbatore	15.	6.9.	7.1.
Salem	4.	3.3.	4.9.
Cuddalore	15.	6.8.	6.7.

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Reference	Figure Column.	For	Read
Vellore	1, 2 and 15.	29·211, +0·08 and 6·8.	29·212, +0·09 and 6·9.
Madras	10 and 11.	73·4 and +0·9.	73·2 and +0·7.
Cuddapah	4, 16 and 17.	4·0, 0·90 and —2·66.	4·1, 0·98 and —2·58.
Kurnool	7 and 8.	85·7 and —2·5.	86·0 and —2·2.
Vizagapatam	6, 13 and 14.	70·9, 77 and +12.	70·5, 75 and +10.
Calingapatam	4.	6·4.	6·1.
Gopalpur	3, 4, 5, 7, 8, 10, 11, 13 and 14.	N 18 W, 5·6, 72·6, 84·0, +0·3, 67·5, +0·2, 83 and +4.	N 19 W, 5·2, 72·8, 84·1, +0·4, 67·6, +0·3, 81 and +2.
Simla	1, 2, 5, 6, 10 and 11.	23·162, +·009, 51·5, 39·3, 45·6 and +1·7.	23·163, +·010, 51·4, 39·4, 45·5 and +1·6 ; <i>Omit (c) against the Station.</i>
Cherai	7, 8, 10, 11 and 12.	64·1, —1·8, 50·0, +0·7 and 46.	64·6, —1·3, 50·2, +0·9 and 47.
Parachinar	1, 2, 3, 4, 5, 6, 7, 8, 15, 16 and 17.	24·556, +·045, N 68 W, 3·0 (<i>m</i>), 50·3, 40·9, 64·0, —0·8, 3·7, 0·57 and +0·06.	24·554, +·043, S 79 W, 3·0 (<i>l</i>), 50·2, 40·8, 64·1, —0·7, 3·8, 0·65 and +0·14 ; <i>Omit (d) against the Station.</i>
Drosh	16, 17, 18 and 19.	0·26, —0·10, 1 and —0·3.	0·41, +0·05, 2 and +0·7.
Mount Abu	6, 13 and 14.	54·6, 40 and 0.	54·3, 37 and —3.
Page 88		<i>Insert the footnote “ (l) mean of 20 days ” and omit “ (m) mean of 19 days.”</i>	

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Reference.	Figure Column.	For	Read
Page 92, Konkan	Rainfall—Departure from normal.	+1.95.	+1.75.
Port Blair	7, 8, 10 and 11.	83.9, -1.7, 76.9 and +0.4.	84.0, -1.6, 76.7 and +0.2.
Mergui	10, 11 and 15.	⁽ⁱ⁾ 70.1, +2.3 and 2.1.	^(j) 70.3, +2.5 and 2.3.
Page 93	<i>Omit the footnotes (i) mean of 23 days and insert (j) mean of 22 days.</i>		
Tavoy	1, 2, 4, 5, 6 and 15.	29.910, -0.15, 2.4, 76.4, 79.9 and 3.1.	29.909, -0.16, 2.1, 76.3, 69.8 and 3.0.
Amherst	4, 5, 6, 13 and 15.	5.9, 75.5, 69.6, 73 and 4.7.	5.4, 75.3, 69.4, 72 and 4.4.
Rangoon	1, 2, 4 and 15.	29.935, -0.14, 3.1 and 3.6.	29.934, -0.15, 2.8 and 3.4.
Bassein	1, 2 and 4.	29.930, -0.16 and 3.2.	29.929, -0.15 and 3.8.
Diamond Island	4, 5 and 15.	9.5, 76.7 and 3.4.	9.3, 76.8 and 3.5.
Gwa	4 and 15.	3.2 and 3.6.	2.5 and 3.5.
Taungoo	6, 13, 14 and 15.	65.7, 83, -6 and 4.5.	65.9, 84, -5 and 4.6.
Kyaukpyu	1, 2, 4, 5, 7, 8, 10, 11, 13 and 14.	29.937, -0.10, 3.9, 74.5, 82.5, +2.5, 71.4, +4.7, 79 and -3.	29.936, -0.11, 4.0, 74.4, 82.4, 71.3, +4.6, 80 and -2.
Akyab	6, 13, 14 and 15.	66.8, 86, -4 and 4.9.	66.9, 87, -3 and 4.8.
Minbu	1, 2, 4, 5, 6, 13 and 14.	29.818, -0.24, 5.2, 69.7, 64.2, 73 and -5.	29.819, -0.23, 5.0, 69.8, 64.2, 72 and -6.
Yamethin	1, 2, 4, 5, 6, 7, 8, 10, 11, 13, 14 and 15.	29.327, -0.08, 2.6, 66.7, 62.4, 83.7, +0.2, 62.0, +3.5, 77, -8 and 3.9.	29.328, -0.07, 2.5, 66.8, 62.5, 84.0, +0.5, 61.7, +3.2, 78, -7 and 4.0.
Mandalay	4, 5, 6, 13 and 14.	1.2, 66.1, 64.3, 90 and +5.	1.0, 66.2, 64.8, 92 and +7.
Monywa	4 and 15.	2.5 and 2.9.	2.1 and 3.0.
Lashio	4, 7, 8, 13, 14 and 15.	1.5, 73.2, 0, 94, 0 and 5.9.	1.3, 73.1, -0.1, 92, -2 and 5.3.
Bhamo	4, 5, 13, 14 and 15.	2.0, 59.3, 93, -2 and 7.2.	1.5, 59.2, 94, -1 and 7.3.
Myitkyina	4, 5, 6, 13, 14 and 15.	3.0, 59.8, 57.7, 87-3 and 4.4.	2.6, 59.6, 57.6, 88, -2 and 4.3.
Maymyo	1, 2, 4, 6, 13, 14 and 15.	26.480, +0.14, 1.1, 54.9, 96, +3 and 3.4.	26.479, +0.13, 1.0, 54.8, 95, +2 and 3.6.
Silchar	15.	2.2.	2.0.
Cox's Bazar	2, 8, 10, 11, 17 and 19.	-0.28, +0.7, 62.2, +5.7, +1.13 and +1.8.	-0.07, +0.9, 62.0, +3.8, +0.53 and +1.4.
Chittagong	2, 11, 14, 19 and 20.	-0.23, +4.7, -4, -0.5 and 0.07.	-0.19, +2.7, -5, -0.8 and 0.58.
Narayanganj	8, 11, 16, 17 and 19.	+2.7, +4.0, 0.01, -0.29 and -0.9.	+2.4, +2.3, 0, -0.19 and -0.5.
Barisal	2, 11, 14 and 17.	-0.24, +4.5, -2 and -0.33.	-0.21, +3.5, -1 and -0.31.
Jessore	<i>Omit the figures in columns 8 and 11.</i>		
Calcutta	2, 8, 11, 14, 17 and 19.	-0.15, +0.8, +3.8, +1, -0.33 and -0.7.	-0.20, +1.3, +3.4, +5, -0.19 and -0.4.

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Reference.	Figure Column.	For	Read
Saugor Island . . .	2, 8, 11, 14, 17 and 19.	-018, +0.3, +2.4, -11, -0.30 and -0.9.	-023, +0.6, +2.5, -8, -0.27 and -0.5.
Burdwan	2, 8, 11, 14, 15, 17 and 19.	-022, +0.8, +1.9, +4, 1.0, -0.36 and -0.8.	-030, +1.1, +1.1, +7, 1.4, -0.15 and -0.3.
Berhampore	16 and 17.	0.13 and +0.01.	0.17 and +0.05.
Mymensingh	2, 8, 11, 17 and 19.	-011, +4.1, +3.4, -0.29 and -0.9.	-016, +2.9, +1.7, -0.03 and -0.8.
Bahraich	10 and 11.	50.1 and +2.4.	50.3 and +2.6.
Rawalpindi	4.	3.5.	2.2.
Khanpur	1, 2, 4, 5, 6 and 10.	29.785, N 30 E, 4.4 (d), 49.7, 45.4 and 44.0.	29.786, N 31 E, 4.4 (c), 49.8, 45.5 and 44.2; Omit (b) against the Station.
Sonamarg	16 and 17.	0.77 and -4.84.	0.86 and -4.75.
Dera Ismail Khan	1, 2, 3, 6, 7, 8, 10, 11, 13 and 15.	29.496, +0.05, S 18 W, 41.7 (c), 73.9, +2.2, 40.5, -0.1, 58 (c), and 2.1.	29.498, +0.07, N 19 W, 41.6 (b), 73.8, +2.1, 40.4, -0.2, 58 (b) and 2.0; Omit (b) against the Station.
Quetta	7 and 8.	55.9 and +1.0.	55.8 and +0.9.
Chaman	1, 2, 5, 10, 11, 13 and 14.	25.779, -0.08, 40.4, 38.3, +3.4, 52 (n), and -13.	25.781, -0.06, 40.6, 37.6, +2.7, 50 and -15 and reject figures in columns 7, 8 and 9.
Kajhat	7 and 8.	57.4 and +2.1.	56.4 and +1.1.
Dalbandin	7, 8, 10 and 11.	66.1, +2.3, 35.4 and +2.0.	66.3, +2.5, 33.4 and 0.
Jhalrapatan	1, 5 and 16.	28.973, 58.5 and 0.02.	28.975, 58.6 and 0.03.
Deesa	4, 6 and 15.	1.7, 54.6 and 0.9.	4.9, 54.5 and 0.8.
Bhuj	6.	55.1.	55.5.
Dwarka	4 and 15.	8.2 and 1.5.	8.4 and 1.4.
Veraval	6.	60.8.	60.5.
Surat	6 and 15.	60.5 and 3.2.	60.6 and 3.3.
Ahmadabad	3.	N 61 E.	N 60 E.
Hoshangabad	10, 11 and 15.	55.0, +5.3 and 2.9.	55.4, +5.7 and 2.1.
Jubbulpore	10 and 11.	49.1 and +2.4.	48.9 and +2.2.
Pendra	10 and 11.	49.8 and 0.	49.9 and +0.1.
Chanda	3, 5, 6, 7, 8, 10, 11, 13, 14 and 15.	N 7 W, 60.6, 57.5, 79.9, -2.8, 52.0, -0.2, 81, +8 and 1.9.	N 13 W, 60.5, 57.3, 79.8, -2.9, 51.9, -0.3, 80, +7 and 1.8.
Jagdapur	1 and 2.	28.148 and -0.20.	28.149 and -0.19.
Ratnagiri	4, 6, 13 and 14.	6.2, 62.5, 48 and -6.	6.6, 65.8, 47 and -7.
Sholapur	4, 10 and 11.	4.3, 58.2 and -0.1.	4.6, 58.0 and -0.3.
Belgaum	1, 2, 3, 4, 5, 7, 8, 10 and 11.	27.394, -0.18, N 78 E, 3.2, 66.4, 80.1, -1.7, 60.1 and +1.7.	27.393, -0.13, N 76 E, 3.1, 66.3, 80.0, -1.8, 60.2 and +1.8.

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Reference.	Figure Column.	For	Read
Nizamabad	1 and 2.	28.745 and +.031.	28.728 and +.014.
Pamban	7, 8, 16 and 17.	81.5, -1.1, 32.87 and +25.38.	81.4, -1.2, 33.06 and +25.57.
Salem	4.	4.0.	4.0.
Vizagapatam	4.	5.8.	5.9.
Calingapatam. . . .	1 and 2.	29.989 and -0.09.	29.990 and -0.08.
Gopalpur	4.	6.6.	6.4.
Parachinar	1, 2, 6, 10, 11, 13, 14 and 15.	24.528, +.036, 34.9 (h), 34.1, +1.9, 54 (h), -8 and 4.4.	24.530, +.038, 34.8 (g), 34.0, +1.8, 53, -9 and 4.6; <i>Omit (b) against the Station and insert (g) mean of 25 days in the footnote.</i>
Mount Abu	7 and 8.	68.9 and +0.7.	69.2 and +1.0.
Kodaikanal	15, 16 and 17.	7.0, 15.67 and +11.25.	7.2, 15.69 and +11.27.
Darjeeling	20.	o

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